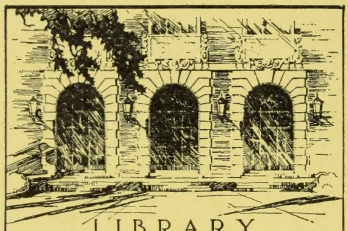

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UNIVERSITY
OF
REDLANDS
BULLETIN

Annual Catalog

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Vol. IV MARCH, 1914 No. 1

PUBLISHED QUARTERLY BY THE
UNIVERSITY OF REDLANDS

UNIVERSITY OF REDLANDS

Sixth Annual Announcement

Redlands, California

1914-1915

ENTERED AS SECOND CLASS MATTER, MAY 1st 1911
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Calendar

1914.

September 14th and 15th, Monday and Tuesday—Entrance examinations and registration for First Semester.

Note—The Monday registration is especially intended for students of Redlands.

September 16th, Wednesday—First Semester begins with Assembly at 10 a. m.

November 26th, Thursday, to November 30th, Monday, at 1:30 p. m., Thanksgiving Recess.

December 18th, Friday—Christmas Vacation begins at 4:30 p. m.

1915.

January 4th, Monday—Christmas Vacation ends at 1:30 p. m.

January—Tuesday following meeting of Southern California Baptist convention, semi-annual meeting of Board of Trustees, 1:00 p. m.

January 21st, Thursday—Day of Prayer for Colleges.

February 1st, 2nd and 3d, Monday, Tuesday and Wednesday—Mid-year examinations.

February 4th, Thursday—Entrance examinations and registration for Second Semester.

February 5th, Friday—Second Semester begins at 8 a. m.

March 26th, Friday—Spring Vacation begins at 4:30 p. m.

April 5th, Monday—Spring Vacation ends at 1:30 p. m.

June 8th, 9th, 10th and 11th, Tuesday, Wednesday, Thursday and Friday—Final examinations..

June 12th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 13th, Sunday—Baccalaureate Sermon, 11 a. m
Vesper Service, 4:30 p. m.

June 14th, Monday evening—Annual Zanjafiesta..
Semi-annual meeting of the Board of Trustees, 1:00 p. m.

June 15th, Tuesday—Class Day.
President's Reception.

June 16th, Wednesday—Commencement, 10:30 a. m.
Alumni Reunion and Banquet.

Board of Trustees

MEMBERS OF THE BOARD

TERM EXPIRING 1915

Mattison B. Jones, Los Angeles.
G. F. Holt, Riverside.
J. H. Merriam, Pasadena.
W. H. Geistweit, San Diego.
Arthur S. Phelps, Los Angeles.
L. A. Boadway, Pasadena.
Thomas George, Santa Barbara.
Weymouth Crowell, Los Angeles.

TERM EXPIRING 1916

A. T. Currier, Pomona.
W. B. Percival. M. D., Los Angeles.
J. Whitcomb Brougher, Los Angeles.
J. H. Strait, Redlands.
W. H. Fowler, Ontario.
W. F. Harper, Pomona.
J. W. Curtis, San Bernardino.
Mrs. Martin Bekins, Los Angeles.

TERM EXPIRING 1917

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G. S. Turrill, Redlands.
Arthur Gregory. Redlands.
W. F. Wood. Glendale.
Otto S. Russell, Santa Ana.
Geo. D. Knights. Long Beach.
M. W. Hill, M. D., Redlands.

OFFICERS OF THE BOARD

Mattison B. Jones, President, - - Los Angeles
H. W. Hellman Building.

W. F. Harper, Vice President. - - - Pomona

J. W. Curtis, Secretary, - - - San Bernardino
No. 680 E Street

Herbert E. Marsh, Treasurer, - - - Redlands

J. H. Strait, Acting Business Manager, - Redlands

Executive Committee

Mattison B. Jones.
W. F. Harper.
J. W. Curtis.
W. B. Percival.
J. H. Merriam.
W. H. Fowler.
J. H. Strait.

Faculty

JASPER NEWTON FIELD, D. D., President of the University.

Graduate of Denison University. Graduate of the University of Chicago Divinity School. D. D. of his Alma Mater, 1909.

Residence, University Hill.

VICTOR L. DUKE, A. M., Dean of the College of Liberal Arts. *Professor of Mathematics.*

A. B., Shurtleff College, 1897, A. M., 1903. University of Chicago Summer Sessions, 1898, 1899, 1900, 1901 and 1903.

Professor of Mathematics, Shurtleff College, 1897-1909. University of Redlands, 1909—.

Residence, 155 E. Cypress Avenue.

A. HARVEY COLLINS, A. M., Registrar.
Professor of History.

A. B., Indiana University, 1890. University of California Summer School Sessions, 1903, 1906.

A. M., University of Southern California, 1912.

Superintendent of Schools, Hartington, Neb., 1890-1895. Bloomfield, Neb., 1895-6. Principal of Garfield School, Pasadena, Cal., 1896-1902. Supervising Principal, Redlands Grammar Schools, 1902-1906. Supervising Principal and Principal of Covina City and Union High Schools, 1906-9.

Associate Professor of History, University of Redlands, 1909-11. Professor of History, 1911—.

Residence, 314 West Olive Avenue.

HERBERT EUGENE MARSH, B. S. Treasurer.
Professor of Physics and Engineering.

B. S., Michigan Agricultural College, 1908. Taught five years in the Public Schools of Michigan. Department of Physics and Department of Civil Enginering, Michigan Agricultural College, 1908-12.
University of Redlands, 1912—.
Residence, 618 East Fern Avenue.

JAMES W. KYLE, A. M.
Professor of Ancient Languages.

A. B., Denison University, 1894. A. M., University of Chicago, 1900.
Student Royal Museum, Berlin, 1898. Member of American School of Classical Studies, Athens, Greece, 1898-99. Acting Professor of Greek, University of Missouri, 1900-01. Professor of Greek, William Jewell College, 1901-1909.
University of Redlands, 1909—.
Residence, 621 University Street.

S. GUY JONES, B. S., *Professor of Chemistry.*

B. S., Denison University, 1903.

Instructor in Science, High School, Piqua, Ohio, 1903-04. Instructor in Chemistry and Physics, Pillsbury Academy, Minn., 1904-09. Professor of Chemistry and Physics, University of Redlands, 1909-12. Professor of Chemistry, University of Redlands, 1912—.
Residence, 110 Myrtle Street.

George Robertson, A. B.

Professor of Biology and Geology.

A. B., McGill University, Montreal, 1881. Graduate Congregational College, Montreal, Canada, 1882. Instructor in Logic, St. Francis College, Richmond, Quebec, 1887. Instructor in Greek, Toronto, Canada, 1889-90. Private instructor in Botany and Geology, Redlands, California.

Instructor in Botany and Geology, University of Redlands, 1909-11.. Professor of Biology and Geology, University of Redlands, 1911—.

Residence, 152 The Terrace.

Herbert E. Wise, A. B.

Professor of Philosophy and Education.

A. B., University of Manitoba, 1892. Graduate of Newton Theological Institution, 1897.

Instructor in Philosophy and Economics, University of Redlands, 1910-11.

Professor of Philosophy and Sociology, University of Redlands, 1911-14.

Professor of Philosophy and Education, University of Redlands, 1914—.

Residence, 775 Linda Vista.

Edith Abigail Hill. A. B.

Professor of Modern Languages.

A. B., Leland Stanford Junior University, 1903. Student at the Sorbonne, Paris, 1903.. Student University of Berlin, 1904. Student in Mexico, 1905. Student University of Madrid, 1909-10.

Instructor in Modern Languages, High School, Redlands, Cal., 1905-09.

University of Redlands, 1910—.

Residence, 14 Clifton Avenue.

EGBERT RAY NICHOLS, A. M.

Professor of English Literature.

Ph. B., Franklin College, 1907.. A. M., Harvard University, 1909. Professor of English Literature, Ottawa University, 1909-11. Professor of English Composition and Public Speaking, Ripon College, 1911-13. Professor of English Literature, University of Redlands, 1913—.

Residence, 521 Alvarado Street.

(—— ——) *Professor of Political and Social Science.*

(Chair created March, 1914.)
(Position to be filled before September, 1914.)

ALICE M. WILLIAMS, A. M.

Associate Professor of English.

Ph. B., Ottawa University, 1905. A. M., University of Redlands, 1911.
Teacher of History and German, High School, Chillicothe, Mo., 1905-8. Teacher of Latin and History Hiawatha Academy, Hiawatha, Kansas, 1908-9. Bible School Organizer for State Baptist Convention of Kansas, 1909-10.
University of Redlands, 1911—.

Residence, 114 Webster Street.

MARY PHILLIPS MONTGOMERY, A. B., Mus. Bac.

Instructor in Italian.

KATE WATKINS, Head of Art Department.

Instructor in Drawing, Painting, Modeling, Lecturer in History of Art.

Student of J. Carrol Beckwith (Art League) and Kenyon Cox of New York. Student of the Julian Studios and Henry Neoseler, Paris, France.

Head of Art Department of Pennsylvania College for Women several years. Head of Art Department Glendale College, Ohio, 1902-1912. Art teacher Public Schools, Glendale, Ohio, 1902-12. Private studio, La Jolla, 1912-13.

University of Redlands, 1913—.

Residence, Bekins Hall, Redlands, Cal.

ASHEL CUNNINGHAM, L. L. B.

Physical Instructor and Director of Athletics.

L. L. B. Indiana University, 1912. Coach of the Varsity baseball team, Indiana University, during the spring of 1912. Athletic Director and Manager, De Pauw University, 1912-13.

Physical Instructor and Director of Athletics, University of Redlands, 1913.

Residence, Sylvan Boulevard and Division Street.

ELEANOR A. SYMMES, Librarian.

Student of Library Science University of California. Organized High School and Public School Libraries of Redlands.

Eight years Reference Librarian and Cataloguer at A. K. Smiley Public Library.

In charge of Library of the University of Redlands 1912-14.

Librarian of the University of Redlands, 1914—.

Residence, Bekins Hall, Redlands, Cal.

COLLEGE OF FINE ARTS

JASPER NEWTON FIELD, D. D., President of the University.

*DON JOSE M. A. RODRIGUES, Dean.

Professor of Voice, General Repertoire and Bel Canto, and History of Music. Instructor in Italian.

Student of Vannini and Vanuccino in Florence, Italy, and of Sbriglia, Paris, France. Student in Theory of Monti of the Milan Conservatory, Italy. Director of private conservatories in Florence, Italy; Washington, D. C., and Redlands, California.
University of Redlands, 1909—.

EDWARD CADORET HOPKINS, Head of Piano and Organ Department.

Professor of Piano and Organ. Instructor in Theory, Director of Orchestra and Choral.

Student of H. J. Stewart, Mus. Doc., and Mme. Leonil Brandt, of San Francisco.
University of Redlands, 1909—.
Residence, Redlands, Cal.

IGNAZ HAROLDI, Head of Violin Department.

Professor of Violin.

Student of Joachim, Wilhelmj and Rappoldi. Honored by the reigning King of Saxony. Broad experience as expert teacher.
University of Redlands, 1913—.
Winter Residence, Hollywood, California.

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*Deceased February 2nd, 1914. Position to be filled before September, 1914.

MARY PHILLIPS MONTGOMERY, A. B., Mus. Bac.
Instructor in Italian, Theory, Harmony and Solfeggio.

A. B., Wellesley. Mus. Bac., University of Redlands, 1912.

University of Redlands, 1912—.
Residence, 38 West Highland Avenue..

ELIZABETH MAY RODRIGUES.
Instructor in Piano, Preparatory.

University of Redlands, 1911—.
Residence, 932 East Colton Avenue.

FLORA COOK,
Instructor in Piano, Preparatory.
Graduate of Lake Erie College Conservatory, 1903.
Private Studio, Redlands.
University of Redlands, 1913—.

A. HARVEY COLLINS, A. M.
Professor of History and Registrar.

HERBERT E. WISE, A. B.,
Professor of Philosophy. Instructor in Biblical Studies.

EDITH ABIGAIL HILL, A. B.,
Professor of Modern Languages.

STANDING COMMITTEES
1914-15

Athletics—
S. Guy Jones, J. W. Kyle, Ashel Cunningham.

Discipline—
President Field, V. L. Duke, H. E. Wise.

Dormitories—
V. L. Duke, H. E. Wise, George Robertson.

*Grounds and Orchard—
J. W. Kyle, Geo. Robertson.

Library—
H. E. Wise, H. E. Marsh and Dr. M. W. Hill, from Board of Trustees.

Museum—
George Robertson.

Prizes—
J. W. Kyle.

Publications—
A. H. Collins, V. L. Duke, E. R. Nichols.

Schedule—
S. G. Jones, A. H. Collins, E. A. Hill.

Student Literary Activities—
E. A. Hill, A. H. Collins, A. M. Williams.

*In conjunction with a committee of the Board of Trustees.

Events of the Past Year

The following are the important events which have occurred during the past year:

COMMENCEMENT WEEK

June 8th, Sunday, 11 a. m.—Baccalaureate Sermon by President Jasper Newton Field, D. D.
7:30 p. m.—Vesper Service. Address by Rev. Robert J. Burdette, Pasadena, California.

June 9th, Monday, 7:30 to 10 p. m.—Students' Annual Zanjafiesta.

June 10th, Tuesday, 8 p. m.—Anniversary of the College of Fine Arts. Department of Music.

June 11th, Wednesday, 2:00 p. m.—Class Day Exercises of the Class 1913.
8 p. m.—President's Reception.

June 12th, Thursday. Commencement Day, 10:30 a. m.—Address by Dr. J. W. Conley, Pastor First Baptist Church, Fresno, Cal.
Address and conferring of degrees by President Jasper Newton Field, D. D.
1:15 p. m.—Third annual college dinner.

During the present year, 1913-14, the University of Redlands has been favored with a number of assembly addresses by distinguished men and women as follows:

March 12th and 13th, 1913—Talks on Reading by Dr. Franklin K. Johnson, of Chicago University.

March 20th—Dr. Shailer Matthews, Dean of the University of Chicago, Power of Great Ideas.

March 26th—Rev. Otto S. Russell, Pastor First Baptist Church, Santa Ana, Needed, a Man.

April 16th—Dr. J. H. Marquis, President of Coe College, Value of a College Education.

April 18th—Dr. F. W. Padelford, Educational Secretary of Northern Baptist Convention, Of a Great Tomorrow.

May 14th—Dr. George D. Knights, Pastor of First Baptist Church, Long Beach, Cal., Making a Place for Yourself.

September 24th—Rev. Ralph P. Smith, Pastor Trinity Church, Redlands, Self Growth and Opportunity in a Small College.

October 8th—Rev. A. P. Brown, Pastor First Baptist Church, San Bernardino, Bones.

October 17th—H. G. Clement, Principal of High School, Redlands, Relation of the High School to the University.

October 29th—Dr. Jas. W. Kramer, Pastor of the Central Baptist Church, Los Angeles, Realization of a Dream.

November 5th—Dr. Hoell Tyler, M. D., Redlands, Our Relation to Some Other Animals.

November 10th—Wm. H. Groat, President of the World's Congress of Young Peoples' Societies, Watchfulness, Stability, Efficiency, Virility.

November 26th—W. F. Holt, Redlands, Imperial Valley.

December 4th—Rev. Geo. W. Black, Mendocino City, We Must Educate.

December 8th—Mrs. Kate Upson Clark, Author and Lecturer, Humor of Jane Austin.

January 8th, 1914—Mrs. Mary Carson, Missionary from the Chin Hills, India, Work in the Chin Hills.

January 14th—Hugh Moran, General Secretary Y. M. C. A., Hankow, China, The Chinese Student.

January 22nd—Day of Prayer for Colleges, sermon by Rev. Herbert A. Jump, Pastor First Congregational Church, Redlands, Daniel, the Indomitable.

February 11th—Miss Victoria Booth-Clibborn, Power of Reality.

February 17th—Dr. J. C. Garritt, President of the Union Theological School, Nanking, China, Development of China.

February 25th—Miss Topping, of Moyoki, Japan, The Permanent Woman and the Changing Woman of Japan.

March 4th—Rev. A. S. Cummings, Pastor of the First Baptist Church, Pasadena, Cal., Present Day Patriotism, Conviction and Courage.

March 6th—Rev. John Balcom Shaw, D. D., Pastor of Immanuel Presbyterian Church, Los Angeles, Confessing Christ in Early Life.

March 18th—Dr. Booker T. Washington, President of the Tuskegee Industrial Institute, Education of a Race.

University of Redlands

HISTORICAL

On the seventh day of December, 1906, the Baptists of Southern California, in Convention assembled in Berean Hall, Los Angeles, resolved to found and foster a high grade, first class Christian college. A committee of twenty-one representative men was appointed with power to act. To the satisfaction of the whole denomination the citizens of Redlands made an offer of $100,000 and forty acres of land for the location of the school in their city, on condition that the Baptists of Southern California raise at least $200,000 additional. The proposition was accepted and plans were immediately made for the state canvass. Under the leadership of Doctor Jasper Newton Field, then pastor of the First Baptist Church of Redlands, the canvass was begun on September 1st, 1907. At the convention held in Los Angeles in January, 1909, the assured success of the movement was announced and it was resolved that the canvass be continued until an additional $200,000 was raised, giving the institution a total asset of $500,000. This convention also instructed the Board of Trustees to choose Doctor Field as President of the new institution. This was formally done at the first regular meeting thereafter.

To the forty acres given by Redlands for a campus has since been added twenty-three acres, including the

beautiful University Hill, now occupied by the Administration Building and the President's residence.

With the beginning of the first building the work of actualizing the institution may be said to have commenced. On September 29th, 1909, less than three years from the time of the inception of the movement, the institution threw open its doors to the public.

The University of Redlands was incorporated under that title in 1907. The movement was so full of promise for the future that the Trustees dared to call the institution a university, with the determination to make it such in the fullest sense of the word.

LOCATION

Redlands, the home of the University, is a beautiful city of 11,000 inhabitants, situated sixty-six miles east of Los Angeles, in the heart of the best orange growing district in the world, and close to the eternal mountains, whose massive strength gives courage, whose grandeur gives inspiration, whose repose gives rest. The city is located at an altitude of about 1400 feet, which gives it as nearly an ideal climate as it is possible to find, sometimes touching the frost point in winter, warm in summer; but, even in the warmest summer months, always having cool and restful nights.

Flowers blossom all the year round and the finest fruits are always in season. The class of people who have made Redlands what it is, coming from all parts of the country, is thoroughly cosmopolitan and is closely in touch with the latest thought and endeavor

of the world. Redlands is a church going city, and with this sentiment thus dominant there is no saloon within her borders. In short, Redlands is a city of high moral tone and culture, justly deserving the name that has been given to it, "The Athens of Southern California." Many trains a day, steam and trolley, connect Redlands with Los Angeles and other nearby towns, the trip to Los Angeles taking two and one-half hours, through the orange groves and vineyards of the garden spot of the United States. Redlands can be reached directly via either the Southern Pacific or the Santa Fe railroads. It is also reached by the Salt Lake Route through San Bernardino and Interurban to Redlands.

The location of this place for an institution of higher learning, such as the University of Redlands, presents unusual opportunities for an ideal home life to parents desiring to have their children live at home while pursuing a college course.

CAMPUS

In a beautiful valley under the shadow of the "Everlasting Hills" the campus of the University of Redlands surely has an inspiring setting. Its sixty-three acres, under the skill of a landscape architect, aided by a beneficient climate, will in a short time become a spot of rare beauty. A special, and to many, a unique feature of the Campus is a regularly laid out and fruit bearing orange grove of 1500 trees, covering every slope of University Hill. With stately architecture to grace its green sward, winding drives, glowing

flowers, and wrapt in the indefinable atmosphere which adds so much romance and charm to our Western land, the place itself will surely inspire with the highest ideals the sons and daughters who will throng its halls of learning.

THE BUILDINGS

ADMINISTRATION

The main structure of the whole University scheme, the Administration Building, was completed in 1910. It is massive and monumental in character, a pure example of classic architecture, of the Ionic order. The exterior is faced with gray granite and with its massive columns and red tile roof harmonizes admirably with its majestic setting of mountain and valley.

While designed primarily as an administration building (containing the offices of the President, Dean, Registrar and Treasurer), it is at present accommodating the recitation and laboratory work, embracing some sixteen recitation rooms, chemical and physical laboratories, lecture rooms, society halls, locker rooms, etc. The entire equipment is of the highest order, especial attention being paid to the ventilation and sanitary requirements.

BEKINS HALL

Bekins Hall, the gift of Mr. and Mrs. Martin Bekins, of Los Angeles, was completed and occupied in October, 1910. The building is classic in architecture and absolutely fireproof in construction. It contains rooms for the

accommodation of fifty young women, besides parlors, dining hall and kitchen, and a specially equipped laundry. Many of the rooms are connected with private baths. Ample verandas and a roof garden foster out-door life.

REAVIS HALL

Reavis Hall is named in honor of Benjamin H. Reavis of Orange, Cal.., whose generous gifts to the University have more than justified the naming of the young men's dormitory. The hall is a pleasant home-like structure, located in the borders of a beautiful orange grove and will accommodate eighteen students.

PRESIDENT'S HOME

To the east of the Administration Building and forming the second of the group of three, proposed for University Hill, stands the home of the President. This beautiful structure is largely the gift of Mrs. Julia A. Libby, of Santa Ana, and harmonizes with the classical design of the other buildings of the campus.

GYMNASIUM

At the northeast corner of the Athletic Field stands the gymnasium with a floor space 60 feet by 40 feet and containing apparatus and facilities for all indoor exercises and sports for both men and women.

ORGANIZATIONS

Associated Student Body

The Associated Student Body is composed of all the students matriculated in the various colleges of the University and the Academy. Its officers are chosen by the student body from their own number. Regular meetings are held each week to deal with matters of general interest to all students.

Athletic Association

A thoroughly organized and live Athletic Association, to which every student is expected to belong, is maintained. Each year this association has presented athletic "R's" to those members of the teams who have distinguished themselves.

SOCIETIES AND CLUBS

Pi Kappa Chi

The young ladies of the University maintain the Pi Kappa Chi literary society for literary and social development. The membership is limited, hence coveted. Meetings are held on alternate Thursday afternoons. This society is proving of great pleasure and profit to its members.

Debating Council

For the purpose of acquiring practice and skill in debating and oratory a body of the young men, limited to twenty-five, organized the Debating Council. Inter-

collegiate debaters and oratorical contestants while not restricted to members of this society, nevertheless find the drill in the society an excellent training for these contests.

Christian Associations

Branches of the College Departments of the Young Men's Christian Association and the Young Women's Christian Asociation are doing active and effective work. Each association holds a weekly prayer meeting. Representatives from the societies are sent to the Bible and General Conferences for Colleges. The good effect of these Christian organizations is very marked in the daily life of the student body. Every encouragement and assistance is given these organizations by the faculty.

The Choral Union

The Choral Union is composed of those of the student body who are musically inclined. The union is under the direction of Professor Hopkins and is designed to give drill in general chorus work and, by means of talks and lectures, to give the members a knowledge of the historical and cultural value of music.

German Club

In February, 1910, the German Club was organized under the direction of Professor Hill, and meets fortnightly. The club chooses its own officers and has as one of its regulations, "no language but German for one hour." Besides the social feature the benefits of the club are seen in a better pronunciation and understanding of the German language.

COLLEGE PUBLICATIONS

The University of Redlands publishes a quarterly bulletin, one of which is the annual catalog. The other three are devoted to special studies and reports of officers and other matters of importance.

Student Publications

The Spectrum, a monthly magazine published by the Associated Student Body through an elected staff, is an exponent of the student life and activities of the University.

Colors

The official colors of the University of Redlands are Maroon and Silver Gray.

Athletics

The University of Redlands recognizes the value of athletics to the college curriculum. Athletics is the vitalizing force of "College Spirit," and hence of value to college students in general. Athletics when properly coached and controlled, is of great value to the participant, for not only is the body developed, the eye made keener and the judgment quickened, but, if allowed so to do, the broader and finer qualities of mind and of soul, even, find expression and receive impulses and strength. Therefore athletics occupies the usual important place in the schedule.

An athletic park has recently been enclosed and a track has been put in fine condition. The track is a circular, four lap track with a two hundred and twenty yard straight away in connection.

College of Liberal Arts

ADMISSION

Every student, unless he brings a certificate of proficiency from an accredited school, shall before entering any class in the collegiate department, be examined upon the following subjects required for entrance:

FIXED ENTRANCE REQUIREMENTS

LEADING TO A. B. IN ANCIENT LANGUAGE

	English	2	units
(2)	Mathematics	2½	units
	History (U. S. and Civics)	1	unit
(3)	A Laboratory Science	1	unit
	Latin	4	units
	Elective	4½	units
	Total	15	units

LEADING TO A. B. IN PHILOSOPHY

(1)	English	2–4	units
(2)	Mathematics	2½	units
	History (U. S. and Civics)	1	unit
(3)	A Laboratory Science	1	unit
(1)	Foreign Language	2–4	units
	Elective	4½	units
	Total	15	units

LEADING TO B. S.

	English	2	units
(2)	Mathematics	2½	units
	History (U. S. and Civics)	1	unit
(4)	Physics	1	unit
(4)	Chemistry	1	unit
(4)	Other Sciences	1	unit
	A Foreign Language	2	units From one Language
	Elective	4½	units
	Total	15	units

(1.) For entrance to the A. B. in Philosophy, a student must present six units in English and Foreign Language, two of these must be in English and two in Foreign Language and the other two may be in either English or in Foreign Language or in both.

(2.) Any student having fifteen accepted entrance units, but only two of these in Mathematics, namely, Elementary Algebra, one unit, and Plane Geometry, one unit, will be entered as a college student, without condition, but will be required to take Mathematics C, Intermediate Algebra, four hours, and will be given three hours college credit for the completion of the course. However, this shall not reduce the total amount of work in Mathematics required for graduation.

(3.) A student offering a laboratory science other than Physics and Chemistry must elect one of these sciences in the college.

(4.) A student presenting only two of these three units, but an extra unit in either Mathematics or Foreign Language, will be entered without condition, but must elect the equivalent science course in the College, receiving therefor seven hours of college credit for the year's work. This shall not reduce the total amount of work required in these subjects for graduation.

In the list of subjects enumerated above the term unit is employed to signify the amount of preparatory work done in a given subject during a school year, the class meeting at least four hours of sixty minutes each per week.

ADMISSION BY CERTIFICATE

Graduates of approved high schools or academies will be given credit for any of the subjects listed below in which they are recommended. Blanks for such recommendation will be furnished on application to the Registrar and it is expected that all applicants for admission, without examination, will use them.

In the list of admission subjects enumerated below the term unit is understood to represent five recitations per week of forty-five minutes each, or four recitations per week of sixty minutes each throughout one school year. A detailed description of the essential subjects here named will be found on the pages following.

1. English, Elementary ..... 2 units
2. English, Advanced, (Third Year).. 1 unit
3. English, Advanced, (Fourth Year) 1 unit

4.	Algebra, Elementary	1	unit
5.	Algebra, Intermediate	½	unit
6.	Plane Geometry	1	unit
7.	Solid Geometry	½	unit
8.	Plane Trigonometry	½	unit
9.	Ancient History	1	unit
10.	Mediaeval and Modern History	1	unit
11.	English History	1	unit
12.	History and Gov't of U. S.	1	unit
13.	Economics	½-1	unit
14.	Latin, Elementary and Caesar	2	units
15.	Cicero and Latin Composition	1	unit
16.	Vergil and Latin Composition	1	unit
17.	Greek, Elementary and Zenophon	2	units
18.	Homer and Greek Composition	1	unit
19.	German, Elementary	2	units
20.	German, Intermediate	1	unit
21.	German, Advanced	1	unit
22.	French, Elementary	2	units
23.	French, Intermediate	1	unit
24.	French, Advanced	1	unit
25.	Spanish	2	units
26.	Physics	1	unit
27.	Chemistry	1	unit
28.	Botany	1	unit
29.	Zoology	1	unit
30.	Physiology	1	unit
31.	Physical Geography	1	unit
32.	General Science	1	unit
33.	Free-hand Drawing	1	unit
34.	Geometrical Drawing	1	unit
35.	Industrial Arts	½	unit
36.	Agriculture	½-1	unit
37.	Music	½-1	unit

Half units will be accepted only when presented in addition to a whole unit in the same subject or in closely allied subjects, such as economics and history, except in industrial arts, agriculture, music, etc., as indicated above.

One year of a foreign language will not be accepted until supplemented by an additional year of the same language in the Academy of the University of Redlands.

Students who can present thirteen units in the subjects required for entrance for any degree will be classified conditionally as Freshmen. But no student will be advanced to Junior standing until all entrance subjects and all the requirements of the Freshmen and Sophomore years are completely fulfilled.

English

It is expected that every student will have a knowledge of English grammar and the elements of rhetoric and be able to write correct English.

Requirements for Study

Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, and Comus; Burke's Speech on Conciliation, with America, or both Washington's Farewell Address, and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

Requirements for Reading

Group I—(Two to be Selected)

The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua,

Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; Homer's Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; Homer's Iliad , with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI, Virgil's Aeneid. The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.

(For any unit of this group a unit from any other group may be substituted.)

Group II—(Two to be Selected)

Shakespeare's Merchant of Venice, Midsummer Night's Dream, As You Like It, Twelfth Night, Henry V, Julius Caesar.

Group III—(Two to be Selected)

Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe, or Quentin Durward; Hawthorne's' House of the Seven Gables; Dicken's David Copperfield, or Tale of Two Cities; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford, George Eliot's' Silas Marner, Stevenson's Treasure Island.

Group IV—(Two to be Selected)

Bunyan's Pilgrim's Progress, Part I; The Sir Roger de Coverly Papers in the Spectator; Franklin's Autobiography (condensed); Irving's Sketch Book; Macaulay's Essay on Lord Clive, and Essay on Warren Hastings; Thackeray's English Humorists; Selections from Lincoln, including at least the

two Inaugurals and Lincoln's Speeches in Independence Hall and at Gettysburg, Last Public Address, Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's Oregon Trail; Thoreau's Walden, or Huxley's Autobiography, and Selections from Lay Sermons, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's Inland Voyage, and Travels with a Donkey.

Group V—(Two to be Selected.)

Palgrave's Golden Treasury (First Series) Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's Elegy in a Country Churchyard, and Goldsmith's Deserted Village; Coleridge's Ancient Mariner, and Lowell's Vision of Sir Launfal; Scott's Lady of the Lake; Byron's Childe Harold, Canto IV, and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series) Book IV, with especial attention to Wordsworth, Keats, and Shelley; Poe's Raven; Longfellow's Courtship of Miles Standish, and Whittier's Snow Bound, Macaulay's Lays of Ancient Rome, and Arnold's Sohrab and Rustum; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, and Up at a Villa—Down in the City.

American History and Civil Government

A knowledge of the leading facts in American history and a practical familiarity with the main topics in the constitutional and political organization. Channing's Student's History of the United States; American History, James and Sanford; Hart's Essentials in American History, or equivalent. For civil government, Garner's Civil Government, or equivalent. One unit.

Mathematics

One unit in Elementary Algebra is required for entrance to the academy of the University of Redlands. In addition to the presupposed Elementary Algebra, Mathematics A and B (Plane Geometry), and Mathematics C (one-half unit of Intermediate Algebra) are required for entrance to the Freshman class. Any student having fifteen acceptable entance units, but only two of these in Mathematics, namely, Elementary Algebra, one unit, and Plane Geometry, one unit, will be entered as a college student, without condition, but will be required to take Mathematics C, Intermediate Algebra, four hours, and will be given three hours college credit for the completion of the course. However, this shall not reduce the total amount of work in Mathematics required for graduation.

Latin—Elementary

Moulton's Introductory Latin, or the equivalent, with outside reading. One unit.

Caesar, Gallic War, Books I-IV, with review of grammatical forms and syntax and Latin composition. One unit.

Cicero, seven orations, or six orations and twelve letters. Weekly exercise in Latin composition. Daily practice in reading Latin to secure fluency and expression. Special studies on the life and times of Cicero. One unit.

Virgil, Aeneid. Books I-VI.

Exercises in metrical reading of the text, systematic study of Virgil's spirit, style and grammatical idioms. One unit.

GREEK—ELEMENTARY

Drill in pronunciation, inflection, syntax and composition with elementary book. Reading in Anabasis of Xenophon. One unit.

XENOPHON—ANABASIS—BOOKS I-IV

Translation and constant reading of the Greek. Review of forms and syntax. Recomposition of text, sight reading in Greek New Testament. One unit.

Note:—For the present the courses in Elementary Greek and Xenophon, if taken in this institution, will receive college credit as electives at the rate of three hour per semester.

FRENCH—ELEMENTARY

Special attention in reading and pronunciation. Fraser and Squair's French Grammar and such readings as Le Voyage de M. Perrichon, La Mare au Diable, La Mere Michel et Son Chat. Two units.

INTERMEDIATE

Rapid review of grammar. Much attention paid to the ability to speak with correct accent. Rapid reading of plays and short stories of such writers as Hugo and Dumas. One unit.

GERMAN—ELEMENTARY

Grammar and composition, reading of easy texts; Joynes-Meissner's German Grammar with Altes and Neues, Der Process, Nein. Two units.

INTERMEDIATE

Composition and conversation. Reading of Schiller, Lessing and Goethe. One unit.

CHEMISTRY—ELEMENTARY

Recitation and laboratory course in Chemistry, which is a foundation for higher courses in this department. The laboratory notebook is required for credit. One unit.

PHYSICS—ELEMENTARY

Recitation and laboratory course which is a prerequisite for the subsequent courses in Physics. The laboratory notebook is required for credit. One unit.

ADVANCED STANDING

If a student applying for entrance to the University can present more than the fifteen units required he may be granted advanced standing in the extra studies presented, upon the recommendation of the head of the

department in which such advanced credits are sought, the head of the department reserving the right to examine the applicant before making the recommendation.

Credit without examinations for work done in other institutions will be granted only upon receipt of a satisfactory certificate mailed to the University of Redlands by the proper official of the institution in which the work was done.

A student from another institution of equal scholastic rank may be admitted to advanced standing in the University upon presentation to the committee having charge of credits satisfactory evidence of having completed the work claimed, together with a certificate of honorable dismissal.

Students failing to satisfy any of the above requirements for admission may be received as "conditioned," but such conditions must be removed before said students are admitted to the Junior Class.

MATRICULATION AND REGISTRATION

On or before the designated registration days in September and February, each student must obtain from the Dean a registration blank which will indicate the courses selected for the semester. The student must then present this statement of courses to the Registrar who will issue to the student an enrollment card and a statement to the Treasurer setting forth the number and nature of the courses for which the student has registered. The student, within one week after registration day or at once, in case of late registration, must obtain from the Treasurer a card of admission to classes.

Students are urged to register on the designated registration days. Absences from classes are counted from the day on which instruction begins, and these absences incur the penalty stated elsewhere in the catalog.

GENERAL REQUIREMENTS AND REGULATIONS

Candidates for degrees will be required to recognize the sequence of courses in selecting their work, unless excused by the Faculty.

Persons not candidates for any degree may be admitted to the University as special students, provided they are of mature age and give to the Faculty satisfactory evidence that they are properly qualified to do work creditably and with profit.

Special students may select their studies without reference to the sequence of courses, but otherwise are subject to the general regulations governing the student body. Such students may at any time become candidates for degrees by conforming to the regular entrance requirements.

No student who has registered for regular work can change his status to that of a special without permission of the Faculty.

No student will be permitted to drop a study later than two weeks after the beginning of the semester without the consent of the Faculty.

A student absenting himself from more than one-fifth of the recitations in any subject during a given

semester shall be barred from examination and credit in said subject unless excused by the Faculty.

A student having three unexcused absences in any one subject is debarred from all college work until he has made satisfactory arrangement with the instructor under whom the absences were made. Two unexcused tardinesses are counted as one absence.

A student receiving a "condition," that is, a grade between 49 per cent. and 59 per cent., in any course, may not receive credit in that course until he shall have passed another examination to the satisfaction of the instructor. Such examination must be taken before the close of the semester first following that in which the condition was received. Otherwise the student shall be required to take the course again in regular manner when next presented.

A student withdrawing from the University before the work of any semester has been completed shall thereby forfeit all credits for that semester; but at the discretion of the instructor such student, upon returning to college, may resume a subject at the point dropped and carry it to completion.

The regular work of the student calls for fifteen hours in the class room each week. Without special permission of the Faculty no student shall take less than twelve hours nor more than eighteen.

Each student must take a final examination before receiving credit in any course, except that in the second semester a student ready to receive a degree or diploma shall not be required to take an examination

in those courses in which his daily grade for that semester is 90 per cent. or above.

A fee of two dollars ($2.00) will be charged for each extra or special examination in any department of the University. Said fee must be paid in advance to the Treasurer and receipt for the same presented to the instructor by the applicant before he will be permitted to take the examination.

HONORS

Honors, as follows, will be awarded at graduation for excellence in scholarship:

"Honorable Mention" will be made of those students whose work for the entire course, just completed, whether in Academy, College of Liberal Arts, or College of Fine Arts, averages "A," and who have not fallen below the grade of "B" in any study.

Students receiving honorable mention shall have their names enrolled upon the University records as having won such honors, and the fact shall be noted upon their diplomas, announced upon Commencement Day and published in the next annual catalog.

PRIZES

The following prizes have been offered to the students of the University for the year 1913-14, to be awarded on Commencement Day:

1. For the best oration delivered by a member of the Junior or Senior Class at their annual contest, a gold medal or $25 in cash is offered by the President of the Board of Trustees of the University, Mr. Mattison B. Jones of Los Angeles.

2. For the highest average grade in all studies, attained during the second semester by a member of the Junior Class, a prize of $10 given by Prof. Edith A. Hill.

3. For the highest average grade in all studies, attained by a member of the Sophomore Class, a prize of $10, given by Mr. Paul Moore, manager of The Redlands Daily Facts.

4. For the highest average grade in all studies, attained by a member of the Freshman Class, a prize of $10, given by Prof. J. W. Kyle.

5. For the best paper on the Flora of Redlands and vicinity, written by a member of the Botany class, a prize of $5.00 given by Prof. Geo. Robertson.

SCHOLALRSHIPS

A number of scholarships have been endowed by friends of the University, the income derived from such funds being devoted to defraying the tuition fees of those students to whom the scholarships are awarded.

$1500 endows a perpetual scholarship. Where the donors do not themselves award the scholarships, it is left with the authorities of the University to assign them. Conduct and scholarship are taken into consideration in the continued assignments of scholarships to matriculated students.

Particulars regarding scholarships may be obtained by addressing the University of Redlands.

ACCREDITING

The work of the University of Redlands will be accepted by the University of California or Leland Stanford, Jr., University for admission to Sophomore, Junior, Senior or Graduate standing.

STUDENT HELP

A number of our students are employed in the buildings and about the Campus to assist them in defraying a part of their expenses.

Often citizens of Redlands apply to the University for student help in exchange for room rent and board, or for other compensation. We are glad to be able to thus help out students and for that purpose keep on file a list of such applications.

Inquiries regarding this matter should be addressed to the University of Redlands.

DORMITORIES, ROOM AND BOARD

In the Bekins Hall for women and the Reavis Hall for men accommodation is provided for a limited number of students. Thoroughly competent matrons in charge of the dormitories give assurance of adequate control. In both the halls it will be the purpose of the administration to approximate the home life as closely as possible.

Students unable to secure accommodations in the halls or desirous of securing rooms and board elsewhere, may obtain from the University of Redlands a list of approved locations. Students will be permitted to room only in places approved by the Faculty.

For cost of rooms and board see Expenses.

EXPENSES

It is believed that the expenses at this institution are as low as is consistent with the high character of the work done. The following schedule will serve to indicate the principal items:

Tuition per semester, payable in advance:

College of Liberal Arts $50.00
Academy 37.50

Matriculation Fee:

College of Liberal Arts, and Fine Arts $ 5.00
Academy 3.00

Laboratory Fees:

College Chemistry, for each course, per semester .....$ 8.00
Academy Chemistry for each course per semester .....$ 5.00
College course in Biology, per semester .....$ 1.00

A deposit of five dollars ($5.00) is required in Chemistry to cover breakage. This deposit, less cost of breakage, is refunded at the end of the year.

Physics—

College Physics, for each course, per semester .....$ 5.00
Academy Physics, for each course, per semester 3.00

No breakage deposit is required in Physics, but an account is kept of all breakages and a charge is made therefor.

Students carrying not more than five hours of work will be charged one-third of the regular tuition fee; those carrying from six to ten hours inclusive, will be charged two-thirds of the regular fee, and those carrying more than ten hours will pay the full fee.

Students preparing for the ministry and children of ministers and missionaries will be granted a discount of 50 per cent. in tuition fees for regular work in the Academy and the College of Liberal Arts.

Special attention is called to the fact that the charge for tuition includes gymnasium, library, graduation and all incidental fees other than the matriculation fee and those connected with the laboratory work.

No student may attend classes for more than one week after the regular registration day without having made satisfactory arrangements with the treasurer concerning all monies due the University.

DORMITORY EXPENSES

The larger number of the dormitory rooms are arranged for two in a room, being furnished with two beds and in some of the rooms two closets.

The beds are single and provided with mattresses 6 ft. 2 in., by 3 ft., and pillows 23 by 30 inches.

Each student is expected to furnish bed covers, linen and towels.

Rooms and Board at the Dormitories:

Two in a room, per month.....$27 each

Two in room with private bath, per month.. $30 each

When paid by the semester in advance, $105 and $115 respectively. Of this sum $20 per month is reckoned for the board and the balance as room rental. In case a student desires to room alone in one of the double rooms, a half more will be added to the room rental.

The dormitories will be closed during the Christmas and the spring vacations unless a number of students desire to remain, in which case those students paying the semester rate will be charged an additional fee for their accommodations during these periods.

The necessary expenses, including room, board, tuition, books and laundry, will average about $350 or $375 for the year.

Rooms in the dormitory may be reserved at any time for 1914-15 by a deposit of five dollars with the University. This deposit will be deducted from the charges of the first month.

LIBRARY

The library of almost 5000 volumes and several hundred unbound pamphlets, contains especially well selected works on History, English and Modern Languages. This number includes about 3000 volumes recently received as a permanent loan from California College, Oakland, Cal.

Many valuable books and sets have been given by generous friends of the University.

Moreover, through the courtesy of the A. K. Smiley Public Library of Redlands, with 22,000 volumes, the University Library is a depository, throughout the college year, for such books as the different departments may from time to time require.

REQUIREMENTS FOR GRADUATION

No student shall be permitted to graduate from the University who has not credit for at least 120 hours, two years of physical education and who has not taken at least one year of the regular work at the University.

The required work leading to the different degrees is as follows:

Bachelor of Arts in Ancient Languages

English	12 hours
Mathematics	6 hours
History	10 hours
Sociology	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Science	8 hours
Modern Languages	6 hours
Ancient Languages	18 hours
Total required	72 hours
Electives	48 hours
Total	120 hours

Bachelor of Arts in Philosophy

English	12 hours
Mathematics	6 hours
History	10 hours
Sociology	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Science	8 hours
Foreign Languages	6 hours
Philosophy	18 hours
Total required	72 hours
Electives	48 hours
Total	120 hours

Bachelor of Science

English	9 hours
Mathematics	12 hours
History	6 hours
Sociology	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Modern Languages	12 hours
Physics	8 hours
Chemistry	8 hours
Other Science	6 hours
Total required	73 hours
Electives	47 hours
Total	120 hours

GRADUATE WORK

The secondary degrees of A. M. and M. S. will be awarded for one year's residence work in addition to that required for the degrees of A. B. or B. S. A candidate for the Master's degree shall select a major department in which he must do two-thirds of his work under the direction of the professor in charge of that department. The remaining one-third of the work required shall be taken in some other department or in not more than two others. Upon the completion of the year's study the candidate must pass an examination upon the subjects taken, such examination to be written, or written and oral, conducted by the instructors in the departments in which the candidate has taken his work and a visiting professor chosen from some other department by the President.

In addition to the resident work and the examination, as above indicated, the candidate shall prepare a thesis representing the results of original investigation on some subject suggested by the professor in charge of the major department. This thesis must conform to definite regulations, show independent investigation and be clothed in such language as will demonstrate the candidate's ability to properly handle such material.

Departments of Instruction

PHILOSOPHY AND EDUCATION

Herbert E. Wise, Professor

I. Psychology

An introduction to the general field of Psychology dealing with the more fundamental processes and supplemented by collateral reading and individual inquiry.

Required. Open to Juniors.
Four hours per week, first semester.

II. Principles of Education

The purpose of this course is to outline the distinguishing aspects of the educative process, particularly the biological, psychological, sociological and religious.

Pre-requisite I. Required for A. B. (Philosophy). History of Education or Economics I. may be substituted.

Open to Juniors.

Three hours per week, second semester.

III. Ethics

Ths course relates to the rise of ethical theory, and deals with the problem of a moral standard.

Required of Seniors.

Three hours per week, first semester.

IV. History of Education

The development of educational theory, showing the Social and Individual aim in education, is traced through the Ancient, Mediæval and Modern periods. Three hours per week, second semester. Open to Juniors.

Omitted in 1914-15.

V. Logic

The general principles of deductive and inductive logic are studied with the purpose of applying them, whenever possible, to practical problems.

Required for A. B. (Phil.) Open to Sophomores.

Three hours per week, first semester.

VI. Christian Evidences

In dealing with Christianity as the fundamental postulate in a philosophy of life, the student is introduced to the basic elements of Christian belief. Due attention is given to Anti-Theistic theories.

Required of Seniors.

Two hours per week, second semester.

VII. Introduction to Philosophy

This course affords a survey of the scope of philosophic inquiry, both in its historical and interpretive aspects.

Required for A. B. (Phil.) Open to Juniors.

Two hours per week, first semester.

VIII. Modern Philosophical Problems

The ruling ideas in current philosophic thought are viewed critically, while select reading from representative authors affords an opportunity for the stu-

dent to construct a definite yet comprehensive philosophy of life.

Required for A. B. (Phil.) Open to Juniors. Prerequisite VII. or IX. Three hours per week, second semester.

IX. History of Philosophy

A study of the chief systems of thought both Ancient and Modern. The text is supplemented by special investigations.

Required of Seniors for A. B. (Phil.)
Four hours per week, first semester.

X. Philosophy of Kant

The course traces the development of the Kantian system, emphasizes its characteristic principles, and shows Kant's influence upon modern thought.
Required for A. B. (Phil.) Open to Juniors. Prerequisite VII. or IX. Two hours per week, second semester.

XI. History of Ethics

A concise yet comprehensive survey of Greek, Greco-Roman, Christian, Mediaeval and Modern Ethics.
Elective to Juniors.
Two hours per week, second semester.
Omitted in 1914-15.

XII. Comparative Religions

This course is designed for those intending to engage in Christian service upon the Foreign field. It treats of religious phenomena, their diversities of expression and theoretic interpretation.

Elective to Juniors.

Two hours per week, second semester.

BIBLICAL STUDIES

Herbert E. Wise, Instructor

*I. A study of the life of Christ. The course treats of the historical situation and sources of knowledge together with the religious development and characteristic teachings of Jesus.
Elective to Freshmen and Sophomores.
Two hours per week, second semester.

II. An introduction to the books of the New Testament. Due consideration will be given to the characteristic features of the individual books and their mutual relations; special emphasis, however, will be given to the life and labors of the apostle Paul.
Elective to Freshmen and Sophomores.
Two hours per week, second semester.

III. A study of the Social and Ethical Teachings of Jesus and their application to modern life.
Elective to Juniors and Seniors.
Two hours per week, second semester.

*IV. A study of select portions of the Old Testament, embracing its historical development, prophetic messages, and poetical literature.
Elective to Juniors and Seniors.
Two hours per week, second semester.

* Not given in 1914-1915.

ENGLISH

Egbert Ray Nichols, Professor

Alice M. Williams, Associate Professor

Twelve units of English are required of A. B., and nine of B. S. students, the first six of which must be courses I. and II., which are prerequisites to all others except VII., VIII., XXI., and XXIII., and XXIV.

The aim of the English department is threefold: (1) to train the students in the art of self-expression or English Composition, written and oral; (2) to give the student definite knowledge of the greater writers of English literature; and, (3) to enable the student to appreciate and estimate in a measure by the higher standards of criticism the value and wealth of English literature.

The work of the department has been grouped under three heads. This division of the department is the logical and natural one of (A) Courses in Composition, (B) Courses in English Literature, and (C) Courses in Public Speaking. The courses in Divisions A and C are given by Professor Nichols. Miss Williams assists with the courses in Division B.

A.—Courses in Composition

I. Freshmen Rhetoric and Composition

A study of composition, oral and written, with regular practice in writing and speaking. Text—Linn's "Essentials of English Composition."

Required of all Freshmen.

Three hours a week, first semester.

I. Freshmen Rhetoric and Composition

Continuation of Course I.
Required of all Freshmen.
Three hours a week, second semester.

III. Advanced Composition, and Modern Literature

(a) A course in composition designed for those who wish to continue writing work beyond the Freshman year. A regular schedule of writing is followed. Longer themes are required and more attention is given to criticism than in English I. and II. English III. and IV. may be taken two years with full credit for each year. Modern literature is studied in this course regularly for a part of each week, course (b) being given with (a) one year and course (c) the following year.
Three hours, first semester.

*(b) The Short-story
An outline study of the masterpieces of short prose fiction following a biographical, historical, or type classification. Collateral reading and oral reports on modern short-story writers required.

†(c) The Essay
An outline study of the essay and "article" in contemporary writing, following a biographical or type classification. Collateral reading and reports.

IV. Advanced Composition and Modern Literature

(a) A continuation of (a) as outlined in English III.

*(b) The Short-story

A study of the rhetoric and technique of the short-story. Text—Pitkin's "Short-story writing." Collateral reading and reports.

†(c) Modern Published Drama

An outline study of contemporary drama as found in the published works of various dramatists, following a comparative literature, biographical, or type classification. Collateral reading and reports. Course (c) is designed to alternate with course (b) as planned in English III.

V. Journalism

An elementary course in newspaper writing, including a study of reporting, editorial writing, features, advertising, etc. Two hours. Offered conditionally, first semester.

B—COURSES IN ENGLISH LITERATURE

VII. History of English Literature

A general outline course in English literature from Beowulf to the year 1900. Text—Crawshaw's "The Making of English Literature."

Required of Freshmen not presenting credit in literature.

Two hours a week, first semester.

VIII. History of English Literature

A continuation of English VII.

Two hours a week, second semester.

IX. Shakespeare and the Elizabethan Age

(a) An intensive study of three plays of Shakespeare including Hamlet or Othello.

(b) A reading course in pre-Shakespearian drama, and in Shakespeare's plays up to the year 1600. A chronological order is followed. Collateral reading on the life of Shakespeare and his time.

Three hours, first semester.

X. Shakespeare and the Elizabethan Age

(a) As in English IX.

(b) A reading course in Shakespeare's contemporaries and in Shakespeare's plays subsequent to the year 1600. A chronological order is followed. Thesis required.

Three hours, second semester.

XI. The Age of Milton and Dryden

A survey of the life and writings of Milton and of Dryden, with special study of the more important works.

Associate Prof. Williams.

Three hours per week, first semester.

XII. Chaucer and Spenser

A survey of the life and writings of Chaucer and Spencer with special study of the Canterbury Tales and the Fairie Queene.

Two hours a week, second semester.

†XIII. Nineteenth Century Poets

Study of the rise of Romanticism and the work of Wordsworth, Coleridge, Byron, Shelley, and Keats.

Three hours a week, first semester.

Designed to alternate with Course XV.

† XIV. Nineteenth Century Poets

Study of the life and writings of Tennyson and of Browning.

Three hours a week, second semester.

Designed to alternate with course XVI.

*XV. Nineteenth Century Prose

Study of the Essayists of the Victorian and Pre-Victorian periods, including Lamb, DeQuincey, Carlyle, and Ruskin.
Three hours a week, first semester.
Given in alternate years.

*XVI. American Literature

A study of the history and development of American literature with especial attention to the New England school.
Three hours a week, second semester.
Given on alternate years.

XVIII. The English Novel

A study of the rise and development of the English novel, of its technique, and of the life and time of the more important novelists. Collateral reading and reports required.
Three hours a week, second semester.
Associate Professor Williams.

C.—COURSES IN PUBLIC SPEAKING.

XXI. Argumentation and Debate

A study of the principles of debating, with exercises in brief drawing, writing speeches, and class debates.

Elective for Freshmen as well as upper classmen and should be taken by those desiring to enter Intercollegiate Debates.

Two hours a week—i. e. consecutive hours—first semester.

XXIII. Oratory and Public Speaking

A course in the principles and technique of the oration, with especial attention to the college oration. Also practice in speaking—extempore and committed work—i. e. elementary training in expression. Elective for Freshmen as well as upper classmen. Two hours, first semester.

XXIV. Oratory and Public Speaking

A course in the literature of oratory, with practice in extempore and committed work. Continues course XXIII in expression. Elective for Freshmen as well as upper classmen.

Two hours a week, second semester.

*Given in 1914 15 and alternate years.

† Given in 1915-16 and alternate years.

HISTORY

A. Harvey Collins, Professor

I. General Mediaeval

A survey of the leading events in European History from about 350 to 1500 A. D., with special reference to the development of the great institutions both of Church and State. Text, lectures, collateral readings, preparation of maps and papers.
Required of Sophomores.
Three hours per week, first semester.

II. Modern Europe

Continuation of History I. Schwill's Political History of Modern Europe is used as a text book, and, as in the preceeding course, the text is supplemented by collateral reading, special reports and maps. Open to students who have had History I or equivalent.
Required of Sophomores.
Three hours per week, second semester.

III. American Colonial History

A study of early American history to 1783. The discovery, exploration, founding and development of the English Colonies. The American Revolution. Text, lectures, papers, maps.
Open to all students
Required for graduation from A. B. courses.
Two hours per week, first semester.

IV. American Expansion

Expansion of the American people, along territorial, social and industrial lines. Based upon Spark's The Expansion of the American People, with much collateral reading and preparation of papers and maps.

Open to all students, who have had History III or equivalent.

Two hours per week, second semester.

V. History of the United States

Political, social and institutional development of the United States 1783-1915. Lectures, reports, in vestigations and comparisons.

Open to all students who have had History III or equivalent. Primarily for advanced students.

Three hours per week, first semester.

VI. History of the United States

Continuation of History V.

Three hours per week, second semester.

VII. English History

This course is planned so as to cover the principal features of English History to 1603. Special attention will be paid to the constitutional phases and to England's colonial policy and expansion. Text, A History of Great Britain—Tout.

Open to all students, especially planned for Freshmen.

Three hours per week, first semester.

VIII. English History

Continuation of History VII to the present time. This course is planned to cover the principal features of English History. Special attention is paid to the constitutional phases and to England's colonial policy and expansion. Text, A History of Great Britain—Tout.

Open to all students. Especially planned for Freshmen.

Three hours per week, second semester.

IX. History of the Pacific Slope

A special lecture course from syllabus, together with investigations and reports.

Elective.

Two hours per week, first semester.

X. History of the Pacific Slope

Continuation of History IX. Elective.

Two hours per week, second semester.

XI. The Reformation

A detail study of the Protestant Reformation. An attempt will be made to discover the causes leading to the movement and the immediate and ultimate results, as well as to trace the current of events.

Prerequisite, History I and II or VII and VIII.

Elective.

Three hours per week, first semester.

XII. International Relations

This course is designed to familiarize the student with the more important diplomatic questions that have presented themselves to our own statesmen. Special attention will be given to American Diplomacy.

Open to Juniors and Seniors. Elective.

Three hours per week, second semester.

XIII. Nineteenth Century Europe

Beginning with the general peace secured by the Congress of Vienna this course deals with the new political, social and international problems that characterized the nineteenth and the beginning of the twentieth centuries.

Prerequisite, History I and II or VII and VIII. Elective.

Three hours per week, first semester.

XIV. English History

Social and Industrial History of England. Text supplemented by lectures, reports and collateral reading.

Prerequisite, History I and II or VII. Elective.

Three hours per week, second semester.

Note—Any elective course in history may be withdrawn if not elected by a sufficient number.

HISTORY OF MUSIC.

**Jose M. A. Rodrigues, Professor*

Edward C. Hopkins, Instructor

Illustrated Lecture Course

I. History of Music

Music and the Jews. Music and the Greeks. Effect of the music of the Infidels on Christianity. The Troubadours and Minnesingers. Conquest of Constantinople. Music at the time of the Renaissance. The Florentine "Camerata." Effect of Chrisitanity upon the Arts. Roman Catholic versus Protestant Music. Birth of Modern Music.

Text book: Fillmore's History of Music.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, first semester.

II. Continuation of History of Music I

The Early Classical School: Sacred, Palastrina; Secular, Alessandro Scarlatti. The Middle Classical School: Haydn, Mozart. The Modern Classical School: Rossini, Donizetti, Verdi and others. Mixed Classical Romantic School: Beethoven, Mendelssohn and others. Romantic School: Schumann, Schubert and Modern Italians. Revolutionary School: Wagner, Richard Strauss, Debussy, Puccini and others.

Text book: Same as for History of Music I.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, second semester.

* Deceased February 2nd, 1914.

HISTORY OF ART

Kate Watkins, Head of Art Department

I. ARCHITECTURE.
Ancient and Mediaeval Architecture.
Elective.
One hour per week, first semester.

II. ARCHITECTURE
Continuation of Course I.
Renaissance and Modern Architecture.
Elective.
One hour per week, second semester.

III. SCULPTURE
Ancient Sculpture.
Elective.
One hour per week, first semester.

IV. SCULPTURE
Continuation of course III.
Gothic, Renaissance and Modern Sculpture.
Elective.
One hour per week, second semester.

V. PAINTING
Early painting. Renaissance in Italy
Elective.
One hour per week, first semester.

VI. PAINTING
Continuation of course V.
Painters of Germany, Holland, France, and Spain.
Modern Painters.
Elective.
One hour per week, second semester.

Note:—Text books, Lessons in Art, two volumes, W. H. Williams. History of Painting, John Van Dyke.

POLITICAL AND SOCIAL SCIENCE

*( ) *Professor.*

I. Principles of Sociology

A study of the origin and development of the family and the evolution of certain social institutions. Modern social problems such as divorce, immigration, pauperism, socialism, etc., will receive due attention.

Three hours per week, first semester.

Open to Sophomores.

II. Introduction to Economics

The development and significance of the characteristic features of economic life, the principles governing production, distribution and consumption, and the practical economic problems of modern life.

Three hours per week, second semester.

Open to Sophomores.

III. Government

A discussion of the essential constituent elements of the state; of the functions and sphere of the state; of citizenship and nationality; of constitutions, their nature sources and kinds; of the more important theories concerning the origin, nature, functions and organization of the state together with a special study of the state and government of the United States.

Three hours per week, first semester.

Open to Juniors and Seniors.

IV. Economic Theory

Special studies in the leading problems of economic theory, such as the nature and origin of value, the laws of normal value and origin of interest.

Three hours per week, second semester.

Open to Juniors. Prerequisite II.

V. Social Economics

A brief study of English industrial history, followed by discussions of ideas of social and industrial reform.

Three hours per week, first semester.

Open to Juniors. Prerequisite I. and II.

VI. Constitutional Law

Principles and development of American constitutional law.

Three hours per week, second semester.
Open to Juniors. Prerequisite III.

VII. International Law

A study of the general principles governing nations in their intercourse with each other, such as rules of peace and war, diplomatic usage and methods of arbitration.

Three hours per week, first semester.
Open to Juniors.

VIII. Money and Banking

Principles of money; recent monetary history; present problems with reference to the reform of the banking system in the United States.

Three hours per week, second semester.
Open to Juniors. Prerequisite II.

IX. Municipal Government

Mainly a study of the modern American city will be made. The historical and comparative method will be used as examination is made of the government and experiences of European cities.
Three hours per week, first semester.
Open to Juniors.

X. Industrial Corporations

The course deals with the nature and history of corporations and their significance in modern life. Attention is given to the evils arising from growth of corporations and to various remedies proposed.
Three hours per week, second semester.
Open to Juniors. Prerequisite II.

* Chair to be filled before beginning of first semester 1914-15.

FRENCH

Edith A. Hill, Professor

I. First Year French

Special attention to pronunciation, writing and reading. Daily practice in the phonetic markings of all new words as they occur. Fraser and Squair's French Grammar is used. Texts suitable for the grade of work required will be read.
Four hours per week, first semester.

II. Continuation of French I.

I. and II. continuous course.
Four hours per week, second semester.

III. Second Year French

Rapid review of grammar. Considerable opportunity is given for speaking the language, as but little English is used in the class room. Plays, novels and short stories of some of the greatest writers of the nineteenth century will be studied during the year.

Three hours per week, first semester.

IV. Continuation of French III.

Three hours per week, second semester.

V. French Literature

A lecture and reading course intended to give an appreciation of the most important and interesting masterpieces of French genius. Conducted entirely in French. Hugo, Sand, Souvestre, Feuillet, Chateaubriand and Rostand will be studied.

Three hours per week, first semester.

VI. French Literature

Continuation of French V.

Three hours per week, second semester.

VII. Conversation Course

Facts of daily life discussed. Designed to train students to speak and write the language with some facility.

Two hours per week, first semester.

VIII. Conversation Course

Continuation of French VII.

Two hours per week, second semester.

IX. Classic French

Reading of the principal authors of the classical period, Corneille, Moliere, Racine, La Fontaine, Le Sage, Bolieau and Voltaire.
Three hours per week, first semester.

X. Classic French

Continuation of French IX.
Three hours per week, second semester.

GERMAN

Edith A. Hill, Professor

I. First Year German

Systematic training in simple conversation, narration and the elements of German grammar. Texts suitable for the work of the first year will be read.
Four hours per week, first semester.

II. First Year German

Continuation of German I.
I. and II. continuous course.
Four hours per week, second semester.

III. Second Year German

Composition and conversation. Reading of Lessing, Goethe and Schiller.
Three hours per week, first semester.

IV. Second Year German

Continuation of German III.
Three hours per week, second semester.

V. Third Year German

The German Novel. Sheffel's Ekkehard, Freytag's Soll und Haben. Sudermann's Frau Sorge, Hoffmann's Das Fraulein von Scuderie, and others. Reading and discussion.

Three hours per week, first semester.

VI. Third Year German

The German Novel. Continuation of German V.

Three hours per week, second semester.

VII. Faust, Parts One and Two

Careful study of poetry and unity.

Three hours per week, first semester.

VIII. Faust

Continuation of German VII.

Three hours per week, second semester.

IX. German Literature

History of German Literature of 12th, 14th and 18th centuries, using Wells, Francke and Robertson as references.

Three hours per week, first semester.

X. German Literature

Continuation of German IX.

Three hours per week, second semester.

XI. Conversation Course

A course in conversation, composition and sight reading.

Two hours per week, first semester.

XII. Conversation Course

Continuation of German XI.
Two hours per week, second semester.

SPANISH

Edith A. Hill, Professor

I. First Year Spanish

Ready familiarity with the essentials of Spanish grammar, and systematic training in pronounciation, conversation and reading.
Four hours per week, first semester.

II. First Year Spanish

Continuation of Spanish I.
I. and II. continuous course.
Four hours per week, second semester.

III. Second Year Spanish

Selected texts from modern Spanish authors.
Three hours per week, first semester.

IV. Second Year Spanish

Continuation of Spanish III.
Three hours per week, second semester.

ITALIAN

**Jose M. A. Rodrigues, Professor*

Mary P. Montgomery, Instructor

I. First Year Italian

Systematic training in simple conversation, reading and writing. Translation from Italian into English. Regular verbs and Elementary Grammar. Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, first semester.

II. First Year Italian

Continuation of Italian I.

Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, second semester.

III. Second Year Italian

Composition and conversation. Reading of De Amicis and other comprehensive authors.

Irregular verbs. Grammar drill.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

IV. Second Year Italian

Continuation of Italian III.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

V. Third Year Italian

Continuation of Italian IV.

Italian Short Stories by approved authors. Translation from English into Italian.

Required of Juniors for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

VI. Third Year Italian

Continuation of Italian V.

Italian Lyrics, especially Petrarcha.

Required of Juniors for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

VII. Fourth Year Italian

Reading of Dante and other standard Italian Literature.

Elective to Seniors for degree of Mus. Bac in Voice.

Three hours per week, first semester.

VIII. Fourth Year Italian

Continuation of Italian VII. General Italian Literature.

Elective to Seniors for degree of Mus. Bac. in Voice.

Three hours per wek, second semester.

*Deceased February 2nd, 1914. Position to be filled.

ANCIENT LANGUAGES

James W. Kyle, Professor

A minimum of eighteen hours in Latin or Greek is required for the A. B. degree in Ancient Language. These may be selected at pleasure from the following twelve courses:

LATIN

I. CICERO: DE SENECTUTE AND DE AMICITIA

Review of forms and syntax. Discussion of the life and thought of Cicero and the sources of his philosophy.

Three hours per week, first semester.

II. HORACE: SELECTIONS FROM ODES, SATIRES AND EPISTLES

Will be read metrically to secure ease and fluency in the Latin. Parallel passages from Greek and English poets. Discussion of the spirit and art of Horace.

Three hours per week, second semester.

III. LIVY: SELECTIONS FROM BOOKS I., XXI. AND XXII.

Lectures on the history of Rome. Discussion of the style and rhetorical methods of Livy.

Three hours per week, first semester.

IV. TACITUS: ANNALS

Systematic study of the style of Tacitus. Comparison with Livy and Thucydides. Lectures on the life and times of Tacitus.

Three hours per week, second semester.

V. PLAUTUS: CAPTIVI, TRINUMMUS AND RUDENS; TERENCE: ANDRIA.

Metrical reading. Lectures on Latin Comedy and the Greek Theatre.

Three hours per week, first semester.

VI. LUCRETIUS; CATULLUS; TIBULLUS; SELECTIONS

Metrical reading, lectures and critical essays on the Latin poets.

Three hours per week, second semester.

GREEK

I. LYSIAS: SELECTED ORATIONS

Exercises in recomposition of the text. Analysis of style of Lysias. Lectures on the Greek orators.

Three hours per week, first semester.

II. HOMER: ILIAD, SELECTIONS

Study of forms from text and from Sterrett's Dialect of Homer. Metrical reading of the Greek. Lectures on the Homeric Poems as literature.

Three hours per week, second semester.

III. LUCIAN: SELECTED DIALOGUES

Exercises in recomposition. Required reading of other dialogues in translation. Lectures on the Greek rhetoricians.

Three hours per week, first semester.

IV. PLATO: APOLOGY, CRITO AND PART OF THE PHAEDO

Discussion of the life and teachings of Socrates. Reading and reviews of the Gorgias, Symposium and Republic in Jowett's translation.
Three hours per week, second semester.

V. EURIPIDES: IPHIGENEIA IN TAURIS; ARISTOPHANES: CLOUDS

Discussion of the plot and characters. Lectures on the Greek theatre. Study of the various metres and exercises in metrical reading.
Three hours per week, first semester.

VI. DEMOSTHENES: ORATION ON THE CROWN

Analysis of the style of Demosthenes. Supplemented by readings from Dionysius and select passages from Hyperides, Isaeus, Aeschines and Isocrates.
Three hours per week, second semester.

VII. GREEK LITERATURE IN ENGLISH

Lectures on the history of Greek Literature accompanied by class work in Wright's Manual. Required reading of three Greek authors per semester in the best translations, with critical review of each. The power to criticise independently and appreciate reasonably a work of literary art is sought in this course as well as some direct and personal acquaintances with the literature of Greece.
Elective.
Three hours per week, first semester.

VIII. Greek Literature in English

Continuation of Greek VII.
Elective.
Three hours per week, second semester.

IX. Modern Greek

A Practical Method by Rangabe will be used as a guide. The Eirenikos, a Greek weekly newspaper of San Francisco, taken by each member of the class, will be read. Part of each hour will be given to conversation in Modern Greek.
Three hours per week, first semester.
Elective. May be substituted for Greek I.

X. Modern Greek

Continuation of Greek IX. A magazine published at Athens will be taken by each member of the class. Short stories by present day writers will be read. Conversation on current topics continued.
Three hours per week, second semester.
Elective. May be substituted for Greek II.

Note—For the present the courses in elementary Greek and Xenophon's Anabasis, if taken in this institution, will receive college credit as electives, at the rate of three hours per semester.

MATHEMATICS AND ASTRONOMY

Victor L. Duke, Professor

I. Solid Geometry

The fundamental proportions of Solid and Spherical Geometry with many original exercises applied especially to the mensuration of solids.

Prerequisite, one unit of Algebra and one unit Plane Geometry.

Three hours per week, first semester.

(This course is parallel to Mathematic D, Academy and for the year 1914-15 they will be combined.)

II. Trigonometry

Analytic Trigonometry, the proofs and applications of the fundamental relations among the functions of angles. Practical Trigonometry, the solution of the plane triangle, measurements of heights and distances, sufficient of Spherical Trigonometry to determine the spherical triangle.

Prerequisite, Algebra, one and one-half units; Plane Geometry. One unit.

Three hours per wek, second semester.

III. College Algebra

Rapid review of the Theory of Quadratic Equations. Permutations and Combinations, Series, Logarithms, Determinants and elementary Theory of Equations.

Prerequisite one and one-half units of Algebra and one unit Plane Geometry.

Three hours per week, first semester.

IV. Elements of Analytical Geometry

A study of the point, the line and the circle, with some of the more important and elementary theorems on the conic sections.
Prerequisite, same as for Math. III plus Math. II.
Three hours per week, second semester.

V. Differential Calculus

Fundamental formulae and processes of differentiation and an insight into the powerful factor which this subject is in modern scientific research.
Three hours per week, first semester.
Prerequisite, Mathematics I-IV.

VI. Integral Calculus

A study of the processes of integration and their application to physical and mechanical problems.
Prerequisite, Mathematics I-V.
Three hours per week, second semester.

VII. Descriptive and General Astronomy

A study of the heavenly bodies, their constitution, laws of motion, physical properties and the processes by which man discovered these facts.
Prerequisite, Mathematics II.
Three hours per week, first semester.

VIII. Descriptive and General Astronomy

Continuation of Mathematics VII.
Three hours per week, second semester.

IX. Advanced Analytical Geometry

A more detailed study of the properties of the conic sections; some insight into the study of higher plane curves. Prerequisite, Mathematics I-VI.
Two hours per week, first semester

X. Advanced Analytical Geometry

Continuation of Mathematics IX.
Two hours per week, second semester.

XI. Advanced Theory of Equations

Equations of higher degrees, symmetric functions of roots, determinants of higher orders.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XII. Advanced Theory of Equations

Continuation of Mathematics XI.
Two hours per week, second semester.

XIII. Differential Equations

Principles involved in the solution of such equations and the applications of this branch of Mathematics to Mechanics.
Prerequisite, Mathematics I-VI.
Three hours per week, first semester.

XIV. Differential Equations

Contiuation of Mathematics XIII.
Three hours per week, second semester.

XV. Advanced Integral Calculus

Special attention will be given to the definite integral and to elliptic integrals.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XVI. Advanced Integral Calculus

Continuation of Mathematics XV.
Two hours per week, second semester.

CHEMISTRY

S. Guy Jones, Professor

I. Qualitative Analysis

An advanced course in general and theoretical chemistry, accompanied by a laboratory course in qualitative analysis. Determination of the composition of natural and commercial products.
Two recitations and two laboratory periods per week, first semester.

II. Qualitative Analysis

Continuation of Chemistry I.
Two recitations and two laboratory periods per week, second semester.

III. Quantitative Analysis

General methods of Gravimetric Analysis. Prerequisite, Chemistry I and II.
Laboratory work three periods per week, first semester.

IV. Quantitative Analysis

Continuation of Chemistry III. Gravimetric and Volumetric Analysis.

Laboratory work three periods per week, second semester.

V. Organic Chemistry

A study of the compounds of Carbon.

Prerequisite, Chemistry I and II.

Two recitations and two laboratory periods per week, first semester.

VI. Organic Chemistry

Continuation of Chemistry V.

Two recitations and two laboratory periods per week, second semester.

VII. Advanced Quantitative Analysis

An advanced course in quantitative manipulations and determinations. The aim of the course is to obtain skill in quantitative manipulation and a knowledge of methods which will enable the student to quickly and easily become proficient in any of the several lines of quantitative analytical Chemistry.

Prerequisite, Chemistry I-IV.

Four laboratory periods per week, first semester.

VIII. Advanced Quantitative Analysis

Continuation of Chemistry VII.

Four laboratory periods per week, second semester.

IX. Inorganic Preparations

Study of the accepted methods of preparing the principal inorganic compounds.
Prerequisite, Chemistry I and II.
Three laboratory periods per week, first semester.

X. Blow-Pipe Analysis

A laboratory course in qualitative blow-pipe analysis.
Prerequisite, Chemistry I and II.
Three laboratory periods per week, second semester.

ENGINEERING

Herbert E. Marsh, Professor

I. Mechanical Drawing

Use and care of drawing instruments, free-hand and mechanical lettering, exercises in projection and simple drawing.
Prerequisite, Mathematics A and B.
Two drawing periods per week, first semester.

II. Continuation of I.

Drawing accurately to scale plans, elevations, and sections from student's own measurements and free-hand sketches of simple machine parts; plan and elevation of some building measured by students.
Prerequisite Engineering I.
Two drawing periods per week, second semester.

III. Surveying

The use, care and adjustment of the Surveyor's instruments. Field work; chain and tape surveying, transit surveys, leveling, curves, etc.

Prerequisite, Mathematics II and III.

One recitation and two field periods per week, second semester.

IV. Graphic Statics

A study of methods of representing forces graphically and the application of the same in the determination of stress in structures.

Elective for Juniors and Seniors.

Prerequisite, Physics I and Mathematics I-III.

Recitation two hours and one drawing period per week, second semester.

V. Applied Mechanics

A study of mechanics of materials including elastic and ultimate strengths, and elastic ultimate deformations, cases of simple stress, theory of beams, columns, and shafts; also a study of the principles of reinforced concrete and their application in various structures.

Elective for Juniors and Seniors.

Prerequisite, Physics I.

Three recitations and one laboratory period per week, first semester.

PHYSICS

Herbert E. Marsh, Professor

I. Mechanics, Molecular Physics and Heat

Although the grasping of principles and not skill in manipulation is strongly emphasized, still the

fixing power of laboratory application is recognized. The purpose is to give the student an insight into the real significance of physical things, by putting him in touch with the methods and instruments of modern physical investigation and by carrying him through the process of reasoning by which the present science of physics has been developed. Required of candidates for B. S. Degree in Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Prerequisite, one year of entrance Physics and Mathematics II and IV.

Recitation and lectures two hours and two laboratory periods per week, first semester.

II. Sound, Light Electricity and Magnetism

Continuation of Physics III. Presented in a similar manner and with the same aim.

Required of candidates for B. S. Degree in the Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Recitation and lectures two hours and two laboratory periods per week, second semester.

III. Electrical Measurements

Various methods for exact determination of voltage, resistance, and current; also study and calibration of various types of galvanometers, voltmeters, ammeters, condensers, etc.

Elective for Juniors and Seniors.

One recitation and three laboratory periods per week, first semester.

BIOLOGY

Geo. Robertson, Professor

I. General Botany

The study will cover a general course in plant life, including lectures, recitations, laboratory and field work. The local flora is very rich in native and cultivated plants, suitable for study every month of the year. The work will be pursued along these lines (a) Morphological, (b) Physiological, and (c) special Botany, a study of local flora, conditions and the preparation of an herbarium and a knowledge of their economic values.

Elective.

Three hours and one laboratory period per week, first semester.

II. General Botany

Continuation of Biology I.

Elective.

Three hours and one laboratory period per week, second semester.

III. General Zoology

A study of invertebrate animal life, the structure, development, classification and distribution.

Elective.

Three hours and one laboratory period per week, first semester.

IV. General Zoology

Continuation of Biology III.

A study of vertebrate animal life; the morphology, development, physiology, classification, distribution and economic value. Especial attention is given to human physiology.

Elective.

Three hours and one laboratory period per week, second semester.

FORESTRY

Geo. Robertson, Professor

I. Forestry

The study will cover our local national forests, trees, chaparral, herbs conservation of forest cover and of water. The course will deal with rock and soil structure, national forests in general, their purpose, use, protection and management.

Biology I and II are desirable prerequisites.

Elective.

Three hours per week, second semester.

GEOLOGY

Geo. Robertson, Professor

I. General Geology

Lectures, recitations, laboratory and field work. The study will include the salient and economic features of the science, giving a systematic and comprehensive knowledge of the most important teachings of Geology. The course will cover (a) Dynamical, (b) Structural and (c) Historical Geology. Attention will be given to the Petrology and Crystalography of the common rocks and minerals.
Prerequisite, Biology I-IV.
Elective.
Three hours and one laboratory period per week, first semester.

II. General Geology

Continuation of Geology I.
Elective.
Three hours and one laboratory period per week, second semester.

CHORAL

Edward C. Hopkins, Director

Elective to all students.
One hour per week, both semesters.

PHYSICAL EDUCATION

Ashel Cunningham, Professor

Recognizing the value of physical culture and general athletic work, much attention has been given to a suitably equipped gymnasium and athletic field.

The gymnasium is furnished with modern apparatus of the newest and most approved design. It is open to both men and women, who have separate lockers and baths and use the building at different periods during the day.

The course consists of calisthenics, light gymnastics, Swedish and German gymnastics, gymnastic games, heavy gymnastics, athletic games and track and field athletics. In calisthenics special attention is paid to simple, rhythmic movements for the cultivation of grace in form and bearing. Exercises executed with light portable pieces of apparatus, such as wands, dumb-bells and Indian clubs, give opportunity for suitable work in light gymnastics. Such forms of exercise, together with gymnastic games, such as basket ball, hand ball, volley ball and center ball give opportunity for all those who are not fit for the more violent work. Heavy gymnastics are especially valuable in the cultivation of physical carriage, self-possession, quick sense of perception and a rapid and responsive exercise of judgment. Many of these exercises, somewhat modified, may be practiced by the women. The usual forms employed are vaulting horse, vaulting buck, high parallels, horizontal bar, long horse, parallel bars, vaulting bar, flying rings, tumbling and mat exercise. Boxing and similar forms of physical training such as fencing, wrestling, etc., can be had at any time if there are a sufficient number wishing to take the work.

Required of all students.

Two hours per week throughout two years.

Schedule of Recitations

First Semester

8:00 O'CLOCK

Biology III					F
Chemistry A	M	T			
Engineering V					F
English C			W	Th	F
English V				Th	F
English XIII	M	T	W		
Greek III			W	Th	F
History I	M	T	W		
Latin I	M	T			
Mathematics I			W	Th	F
Philosophy I	M	T	W	Th	
Physics A	M	T			
Spanish I	M	T	W	Th	

9:00 O'CLOCK

Biology III	M	T	W		F
Chemistry A	M	T	W	Th	F
English IX	M		W		F
German I	M	T	W		F
Greek C	M	T	W		F
History III				Th	
History VII	M	T	W		
Latin I				Th	
Mathematics V			W	Th	F
Mathematics VII	M	T			
Philosophy III	M		W		F
Physics A	M	T	W	Th	F
Political Science I				Th	

ASSEMBLY 10:00—10:20 O'CLOCK

10:20 O'CLOCK

Biology A					F
Chemistry I	M	T		Th	F
Chemistry III			W	Th	F
English III		T	W	Th	
French III	M		W	Th	
Geology I	M	T	W	Th	
Greek I	M	T		Th	
History III					F
History V	M	T	W		
Latin III			W		F
Mathematics A	M	T	W	Th	
Mathematics VII					F
Physics I	M	T			
Physics III	M	T	W	Th	
Political Science I	M				F
Political Science III		T	W	Th	

11:20 O'CLOCK

Biology A		T	W	Th	F
Chemistry I				Th	F
Chemistry III			W	Th	F
English C	M				
Geology I	M				
German III			W	Th	F
German V or French V		T	W	Th	
History XIII		T	W	Th	
Latin A		T	W	Th	F
Latin III	M				
Mathematics III	M	T	W		
Philosophy V		T	W	Th	
Philosophy VII	M				F
Physics I	M	T		Th	F
Physics III	M	T	W		

1:30 O'CLOCK

Biology I					F
Chemistry V	M	T			
Engineering I		T			F
Engineering V				Th	
English A	M	T	W	Th	
English I	M		W	Th	
English VII		T			F
Greek A	M	T	W	Th	
History IX		T		Th	
Philosophy IX	M	T	W	Th	
Spanish III	M	T		Th	

2:30 O'CLOCK

Biology I	M	T	W		F
Chemistry V	M	T		Th	F
Engineering I		T			F
Engineering V	M		W	Th	
English XI		T	W	Th	
French I	M	T		Th	F
Greek VII	M		W	Th	
History A	M	T	W	Th	
Mathematics C		T	W	Th	F
Political Science V	M		W		F

NOTE—Hours for courses not scheduled to be arranged with the respective professors.

Second Semester

8:00 O'CLOCK

Biology IV					F
Chemistry B	M	T			
English D			W	Th	F
English XIV	M	T	W		
Greek IV			W	Th	F
History II	M	T	W		
Latin II	M	T			
Mathematics II			W	Th	F
Philosophy II	M	T		Th	
Physics B	M	T			
Spanish II	M	T	W	Th	

9:00 O'CLOCK

Biology IV	M	T	W		F
Chemistry B	M	T	W	Th	F
English X	M		W		F
German II	M	T	W		F
Greek D	M	T	W		F
History IV				Th	
History VIII	M	T	W		
Latin II				Th	
Mathematics VI			W	Th	F
Mathematics VIII	M	T			
Philosophy VI	M		W		
Philosophy X		T			F
Physics B	M	T	W	Th	F
Political Science II				Th	

ASSEMBLY 10:00—10:20 O'CLOCK

10:20 O'CLOCK

Biology B					F
Chemistry II	M	T		Th	F
Chemistry IV			W	Th	F
Engineering IV			W	Th	F
English IV		T	W	Th	
French IV	M		W	Th	
Geology II	M	T	W	Th	
Greek II	M	T		Th	
History IV					F
History VI	M	T	W		
Latin IV			W		F
Mathematics B	M	T	W	Th	
Mathematics VIII					F
Physics II	M	T			
Political Science II	M				F
Political Science IV		T	W	Th	

11:20 O'CLOCK

Biology B		T	W	Th	F
Chemistry II				Th	F
Chemistry IV			W	Th	F
Engineering IV			W		
English D	M				
Geology II	M				
German IV			W	Th	F
German VI or French VI		T	W	Th	
History XIV		T	W	Th	
Latin B		T	W	Th	F
Latin IV	M				
Mathematics IV	M	T	W		
Philosophy VIII		T	W	Th	
Philosophy XII	M				F
Physics II	M	T		Th	F

1:30 O'CLOCK

Bible III			W		F
Biology II					F
Chemistry VI	M	T			
Engineering II		T			F
Engineering III			W	Th	
English B	M	T	W	Th	
English II	M		W	Th	
English VIII		T			F
Forestry I	M	T	W		
Greek B	M	T	W	Th	
History X		T		Th	
Spanish IV	M	T		Th	

2:30 O'CLOCK

Bible II		T	W		
Biology II	M	T	W		F
Chemistry VI	M	T		Th	F
Engineering II		T			F
Engineering III	M		W	Th	
English XVIII		T	W	Th	
French II	M	T		Th	F
Greek VIII	M		W	Th	
History B	M	T	W	Th	
Political Science VI	M		W		F

NOTE—Hours for courses not scheduled to be arranged with the respective professors.

College of Fine Arts

DEPARTMENT OF MUSIC

GENERAL INFORMATION

In accordance with the plan followed in connection with the other departments of the University, provisions have been made for the most thoro and advanced work in the Department of Music.

The line of work in the University course in Music, conferring the degree of Bachelor of Music, corresponds with that of some of the European universities.

The elementary work in Piano and other departments will be under competent instructors who will be under the supervision of the Dean of the College of Fine Arts.

Realizing the degree to which superior musical proficiency is attainable only in conjunction with the highest cultural development, stress will be laid upon this phase of the student's growth, and special attention will be given to courses in the other departments of the University which will prove of value to students in the Department of Music.

Classes in this department will be organized at the beginning of the college year as indicated in the calendar.

Individual work may be begun at any time by students showing marked musical ability.

Diplomas will be awarded to students showing sufficient musical ability who have completed the required courses. The pupil's work is to be subject to the approval of the Dean.

The Choral Society and Orchestra, under the leadership of the head of the Department of Piano, give opportunity for expression and development of the musical ability of the students of the University.

Careful analysis is made of the general musical taste and ability of the student before enrollment for the University work, and the course of study is planned to suit the individual needs of the student in securing well balanced musicianship and critical judgment along musical lines.

During the Junior and Senior years the candidate for a degree must appear in public at least once a semester, the time and place of such public performances to be advised by the Dean.

EXPENSES

The following schedule of tuition is for the work of a semester. The work in Voice, Piano, Organ and Violin, which are individual, may, by special arrangement, be begun at any time:

Voice, special, two periods per week (16 weeks)	$98.00
Voice, special, one period per week	49.00
Voice, preparatory, two periods per week	64.00
Voice, preparatory, one period per week	32.00
Piano, special, two periods per week	64.00
Piano, special, one period per week	32.00
Piano, preparatory, two periods per week	42.00
Piano, preparatory, one period per week	22.00

Organ, two periods per week	64.00
Organ, one period per week	32.00
Violin, special, one period per week	49.00
Violin, preparatory, two periods per week	42.00
Violin, preparatory, one period per week	22.00
Practice piano fee, per semester	5.00

The other subjects in the College of Fine Arts are class subjects and the tuition fees are the same as those for subjects in the College of Liberal Arts. (See Tuition.)

REQUIRED FOR GRADUATION

No student shall be permitted to graduate from the Department of Music, College of Fine Arts, who has not credit for at least 80 units and who has not taken at least one year of regular work at the University.

The required work leading to the different degrees is as follows:

Bachelor of Music in Voice

Voice	16 hours
Piano (prep.)	8 hours
History of Music	4 hours
Theory	4 hours
Choral	1 hour
English	3 hours
Modern Languages	24 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	75 hours
Electives	5 hours
Total	80 hours

Bachelor of Music in Piano

Piano	16 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	3 hours
Modern Languages	24 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	71 hours
Electives	9 hours
Total	80 hours

Bachelor of Music in Violin

Violin	16 hours
Piano (Prep.)	8 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	3 hours
Modern Languages	24 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	79 hours
Electives	1 hour
Total	80 hours

Bachelor of Music in Organ

Organ	8 hours
Piano	8 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	3 hours
Modern Languages	24 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	71 hours
Electives	9 hours
Total	80 hours

VOICE

**Jose M. A. Rodrigues, Professor*

I. First Year Voice

Systematic training in voice production. Ear and mental training in regard to tone-quality. Elementary sight singing.

Concone's Fifty Lessons for Medium Part of Voice. Required of Freshmen for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

*Deceased February 2nd, 1914. Position to be filled.

II. Continuation of Voice I

Physical training in regard to tone-quality.

Bel Canto. Anthology of Italian Song, embracing the pre-classical song writers, Peri, Caccini, Carissimi and Monteverdi.

Required of Freshmen for degree of Mus. Bac. in Voice.

Two hours per week, second semester. . .

III. Second Year Voice

Continuation of Voice II. Voice from psychological view point, Interpretation. Continuation of Anthology of Italian Song, volumes I and II. Early classics of Italian School: Scarlatti, Handel, Caldara, Gluck, etc.

Required of Sophomores for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

IV. Continuation of Voice III

Concone's Forty and Twenty-five Lessons for Medium Part of Voice. English and American Sacred Song Literature for Protestant Churches. English and American Simple Secular Song Literature.

Required of Sophomores for degree of Mus. Bac. in Voice.

Two hours per week, second semester.

V. Third Year Voice

Continuation of Voice IV. Concone's Fifteen Lessons. Later Italian Classics: Mozart, Haydn, Rossini, Donizetti, Bellini, Verdi, etc.

Required of Juniors for degree of Mus. Bac. in Voice.
Two hours per week, first semester.

VI. Continuation of Voice V

Trills, cadenze and general training in agility.
English and American general song literature of medium difficulty. Easy ensemble singing.
Required of Juniors for degree of Mus. Bac. in Voice.
Two hours per week, second semester.

VII. Fourth Year Voice

Continuation of Voice VI. Ensemble singing.
General old and new opera.
German and French song literature, including Schumann, Schubert, Brahms, Franz, Grieg, etc. Gounod, Massenet, Saint Saens, etc.
Required of Seniors for degree of Mus. Bac. in Voice.
Two hours per week, first semester.

VIII. Continuation of Voice VII.

Dramatic singing or singing with action.
General International Repertoire (compositions sung in the original languages).
General training for teachers of voice.
Required of Seniors for degree of Mus. Bac. in Voice.
Two hours per week, second semester.

VIOLIN

Ignaz Haroldi, Professor

I. First Year Violin

Joachim method, first part of Book I.
Violine Technique; Sevcik, Book I.
Training of ear; bowing and left hand.

II. Continuation of Violin I

Joachim method, second part of Book I.
Violine Technique; Sevcik.
Etudes: Kayser, Mazas, Hermann, etc.
Easy solos from the different composers.

III. Second Year Violin

Joachim method, third part of Book I.
Violine Technique; Sevcik Book II.
Scales and other studies; Haroldi.
Etudes: Mazas, Leonard, Dont, etc.
Solos according to ability of student.

IV. Continuation of Violin III

Joachim method, fourth part of Book I.
Violine Technique; Sevcik.
Studies: Haroldi.
School Concerti and other selections; Ries, Viotti, Rode, etc.

V. Third Year Violin

Joachim method, Book II.
Violine Technique; Sevcik.
Etudes: Hermann, Dont, Mazas, etc.
Concerti, Sonate and other solos from modern and old composers.

VI. Continuation of Violin V

Joachim method.

Violine Technique; Sevcik.

Etudes: Kreutzer with different bowings from Haroldi, Rovelli, Maurer, etc.

Concerti; Sonate and other solos from Beethoven, David, Massenet, Couperin, Brahms, Bach, etc.

VII. Third Year Violin

Joachim method.

Violine Technique; Sevcik.

Etudes: Rode, Leonard, Campanolli, etc.

Concerti: Spohr, Vitalli, Lipinski, etc.

Sonate: Veraccini, Tartini, Corelli, Bach.

VIII. Continuation of Violin VII

Joachim method.

Violin Master Technique; Sevcik.

Etudes: Leonard, Petri, Dont, Vieuxtemps, Paganini.

Concerti for finish and interpretation: Saint-Saens, Mendelsohn, Wieniawski, Beethoven, Paganini, etc.

PIANO

Edward C. Hopkins, Professor

Mrs. E. May Rodrigues, Instructor

I. First Year Piano

Technical training according to the principles of modern piano technique. Systematic training in art-principles of technique, phrasing and tone-quality.

Elementary study of the characteristics of the various classic composers. Repertoire of selections from standard works by the best composers. Text books: A System of Fundamental Technics, Mason-Mathews.

Graded Studies, Book IV, T. Tapper.
Graded Pieces, Book IV, T. Tapper.
Sonata Album, Vol. 329, Schirmer Library.
Berens, Czerny, Cramer, Heller, Kullak, Bach (inventions) as needed.

Required of Freshmen for degree of Mus. Bac. in Piano and Organ.

Two hours per week, first semester.

II. Continuation of Piano I

Technical training.
Continuation of classical study (at least two Sonatas).

Repertoire of selections from the works of the best composers, classic and romantic.

Text books: Technique; Mason-Mathews. Graded Studies—Book IV—T. Tapper. Graded Pieces —Book IV—T. Tapper. Sonata Album---Vol. 329 —Schirmer Library. Additional Studies as needed. Required of Freshmen for degree of Mus. Bac. in Piano and Organ.

Two hours per week, second semester.

III. Continuation of Piano II

Technical training—Study of the characteristics of the various classic composers. Repertoire.
Text books: Technique; Mason-Mathews. Graded Studies—Book V—T. Tapper. Graded Pieces —Book V—T. Tapper. Sonata Album---Vol. 340

—Schirmer Library. Additional studies as needed. Required of Sophomores for degree of Mus. Bac. in Piano and Organ.

Two hours per week, first semester.

IV. Continuation of Piano III.

Technical training—Continuation of classical study (at least two Sonatas). Repertoire.

Text books: Same as for previous semester.
Required of Sophomores for degree of Mus. Bac. in Piano and Organ.

Two hours per week, second semester.

V. Continuation of Piano IV

Technical training.—Special training in Bravura style. Romantic School. Beethoven.—Sonatas. Repertoire.

Text books: Technique; Mason-Mathews. Graded Studies—Book V—T. Tapper. Graded Pieces —Book V—T. Tapper.

Exercises for the independence of the fingers, I. Phillipp. Studies of Clementi, Cramer, Czerny (Op. 740) and others as needed. Bach.

Required of Juniors for degree of Mus. Bac. in Piano.

Two hours per week, first semester.

VI. Continuation of Piano V

Technical training.—Bravura, Bach (continued.) Beethoven (continued.)

The Romantic School.

Text-books: Technique; Mason-Mathews. Technical Material; I. Phillipp. Graded Studies—Book

VI—T. Tapper. Graded Pieces—Book VI, T. Tapper.

Studies of Clementi, Henselt, Czerny, Chopin and others as needed.

Required of Juniors for degree of Mus. Bac. in Piano.

Two hours per week, second semester.

VII. Continuation of Piano VI

Technical training.—Bravura. Art Interpretation of the Masters. Pedagogics (for prospective teachers.)

Text-books: Technique; Mason-Mathews. Technical Material; I. Phillipp. Graded Studies—Books VI, VII—T. Tapper. Graded Pieces—Books VI, VII—T. Tapper.

Studies selected from the works of the greatest masters of pianistic literature.

Required of Seniors for degree of Mus. Bac. in Piano.

Two hours per week, first semester.

VIII. Continuation of Piano VII

Technical training.—Bravura. Interpretations (Christiani, Art-principles.) Pedagogics (for prospective teachers.)

Text-books: Same as previous semester, with such additional studies as may be found necessary.

Required of Seniors for degree of Mus. Bac. in Piano.

Two hours per week, second semester.

PREPARATORY PIANO

Mrs. E. May Rodrigues, Instructor

Miss Flora C. Cook, Instructor

A. TECHNICAL INSTRUCTION according to the principles of modern piano technique (oral.)

Systematic training in phrasing and touch.

Gymnastics for development of hands and arms.

Selected pieces. Memory work.

Text-books: Graded Studies—Book I—T. Tapper. Graded Pieces—Book I—T. Tapper.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, first semester.

Required of Freshmen for degree of Mus. Bac. in Voice or Violin.

One hour per week, first semester.

B. CONTINUATION OF PIANO A

Gymnastics, Touch and Technique. Phrasing. Arpeggio and scale forms. Octave and chord touches. Minor scales.

Text-books: Graded Studies—Book I—T. Tapper. Graded Pieces—Book I, T. Tapper. Studies—Op. 139—Czerny. Sonatina Album, Vol. 693—Schirmer Library.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, second semester.

Required of Freshmen for degree of Mus. Bac. in Voice or Violin.

One hour per week, second semester.

C. CONTINUATION OF PIANO B

Technical exercises transposed.—Rhythmical treatment of scale and arpeggio. Velocity in passage work. Interpretation and phrasing. Memory work.

Text-books: Graded Studies—Book II—T. Tapper. Graded Pieces—Book II—T. Tapper. Velocity; Brauer.

Studies in Expression—Op. 47, Heller. Sonatina Album—Vol. 693—Schirmer Library.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, first semester.

Required of Sophomores for degree of Mus. Bac. in Voice or Violin.

One hour per week, first semester.

D. CONTINUATION OF PIANO C

Technical exercises transposed, (continued.) Scale and passage work, (continued.) Arm and finger touches analyzed. Selected pieces.

Text-books: Graded Studies—Book III—T. Tapper.

Graded Pieces—Book III—T. Tapper. Velocity; Brauer and Czerny. Sonatina Album—Vol. 693—Schirmer Library. Little Preludes; Bach.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, second semester.

Required of Sophomores for degree of Mus. Bac. in Voice or Violin.

One hour per week, second semester.

HISTORY OF MUSIC

**Jose M. A. Rodrigues, Professor*

Edward C. Hopkins, Instructor

ILLUSTRATED LECTURE COURSE

I. History of Music I

Music and the Jews. Music and the Greeks. Effect of the music of the Infidels on Christianity. The Troubadours and Minnesingers. Conquest of Constantinople. Music at the time of the Renaissance. The Florentine "Camerata." Effect of Christianity Upon the Arts, Roman Catholic versus Protestant Music. Birth of Modern Music.

Text-book: Fillmore's History of Music.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, first semester.

II. Continuation of History of Music I

The Early Classical School: Sacred, Palestrina; Secular, Alessandro Scarlatti. The Middle Classical School: Haydn, Mozart. The Modern Classical School: Rossini, Donizetti. Verdi and others. Mixed Classical and Romantic School: Beethoven, Mendelssohn and others. Romantic School: Schumann, Schubert and Modern Italians. Revolutionary School: Wagner, Richard Strauss, Debussy, Puccini and others.

Text-book: Same as for History of Music I.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, second semester.

*Deceased February 2, 1914. Vacancy not yet filled.

ELEMENTARY THEORY

Mary P. Montgomery, Instructor

I. Harmony

General Musical Instruction (rudiments). Melody writing. Rhythm. Form and analysis of simple compositions. Music copying and transposition. The major scale. Ear training. Intervals. The minor scale.

Required of Freshmen for degree of Mus. Bac.

One hour per week, first semester.

II. Harmony

The common chord. Progression and rules of Harmony. Cadences. The first inversion. Musical dictation. Exercises in writing chants and hymn-tunes.

Text-book: J. H. Anger. A Treatise on Harmony, Book I.

Required of Freshmen for degree of Mus. Bac.

One hour per week, second semester.

III. Continuation of Harmony II

The second inversion. The dominant seventh and its inversions. Natural modulation. Exercises in composition of hymn-tunes and simple piano music.

Text-book: Anger. Book I.

Required of Sophomores for degree of Mus. Bac.

One hour per week, first semester.

IV. CONTINUATION OF HARMONY III

Secondary sevenths. Chords of the ninth and its inversions. Suspensions. Exercises in writing hymn-tunes, chants, dances and simple piano music.
Text-book: Anger. Book II.
Required of Sophomores for degree of Mus. Bac.
One hour per week, second semester.

ADVANCED THEORY

Edward C. Hopkins, Instructor

V. CONTINUATION OF HARMONY IV

Compound suspensions (continued). Passing and auxiliary notes. Extraneous modulation. Analysis of works of great composers. Exercises in writing hymn-tunes, chants and dances. Also arrangements for voice and instruments.
Text-book: Anger. Book II.
Required of Juniors for degree of Mus. Bac. in Piano, Organ and Violin.
One hour per week, first semester.

VI. CONTINUATION OF HARMONY V

Composition. The homophonic forms. Counterpoint, first and second species. Vocal compositions. Exercises in writing anthems, short movements and songs.
Text-book: Anger, Book II.
Required of Juniors for degree of Mus. Bac. in Piano, Organ and Violin.
One hour per week, second semester.

VII. Continuation of Harmony VI

Strict Counterpoint (continued).

Analysis of polyphonic forms. Complete review of Harmony in Books I and II, J. H. Anger.

Enharmonic Theory and Chromatic Concords. Composition in larger song-forms. Arranging for Orchestra.

Text Books: Harmony Book III, J. H. Anger. Elementary Counterpoint, Goetschius. Instrumentation, Prout. Homophonic Forms, Goetschius.

Required of Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

One hour per week, first semester.

VIII. Continuation of Harmony VII

Composition: The Sonatina. The Sonata and Symphony.

During this semester the student must complete the Orchestration of some standard piano sonata, also the composition of an original Sonata for Piano, Organ, or Violin and Piano.

Text-books same as Harmony VII.

Required of Seniors for degree of Mus. Bac. in Piano, Organ and Violin.

One hour per week, second semester.

PHILOSOPHY

Herbert E. Wise, Professor

I. Psychology

An introduction to the general field of psychology, dealing with the more fundamental processes, and supplemented by collateral reading and individual inquiry.

Required of seniors for degree of Mus. Bac.

Four hours per week, first semester.

III. Ethics

This course relates to the rise of Ethical Theory, and deals with the problem of a moral standard.

Three hours per week, second semester.

BIBLICAL STUDIES

Herbert E. Wise, Professor

IV. A study of select portions of the Old Testament, embracing its historical development, representative characters, Prophetic messages and poetical literature.

Required of Freshmen for degree of Mus. Bac.

Two hours per week, second semester.

HISTORY

A. Harvey Collins, Professor

I. General Mediaeval

A survey of the leading events in European History, from about 350 to 1500 A. D., with special reference to the development of the great institutions both of Church and State.

Text, lectures, collateral readings, preparation of maps and papers.

Required of Sophomores for degree of Mus. Bac.

Three hours per week, first semester.

II. Modern Europe

Continuation of History I. Schwill's Political History of Modern Europe is used as a text book, and as in the preceding course, the text is supplemented by collateral reading and special reports and maps.

Required of Sophomores for degree of Mus. Bac.

Three hours per week, second semester.

ITALIAN

**Jose M. A. Rodrigues, Professor*
Mary P. Montgomery, Instructor

I. First Year Italian

Systematic training in simple conversation, reading and writing. Translation from Italian into English. Regular verbs and Elementary Grammar.

Required of Freshmen for degree of Mus. Bac. in Voice.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

II. First Year Italian

Continuation of Italian I.

Required of Freshmen for degree of Mus. Bac. in Voice.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

III. Second Year Italian

Composition and conversation. Reading of De Amicis and other comprehensive authors.

Irregular verbs. Grammar drill.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

*Deceased February 2nd, 1914. Vacancy not yet filled.

IV. Second Year Italian

Continuation of Italian III.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

V. Third Year Italian

Continuation of Italian IV.

Italian Short Stories by approved authors. Translation from English into Italian.

Required of Juniors for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

VI. Third Year Italian

Continuation of Italian V.

Italian Lyrics, especially Petrarcha.

Required of Juniors for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

VII. Fourth Year Italian

Reading of Dante and other standard Italian literature.

Elective to Seniors for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

VIII. Fourth Year Italian

Continuation of Italian VII. General Italian. Literature.

Elective to Seniors for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

ENGLISH

Egbert Ray Nichols, Professor

I. Composition, Oral and Written

Study of a text, prose models, the fundamentals of oral address, with practice in English Composition, class speeches, and debates.
Required of Freshmen for degree of Mus. Bac.
Three hours per week, first semester.

FRENCH

Edith A. Hill, Professor

I. First Year French

Special attention to pronunciation, writing and reading. Daily practice in the phonetic markings of all new words as they occur. Fraser and Squair's French Grammar is used. Texts suitable to the grade of work required, will be read.
Elective to Seniors for degree of Mus. Bac. in Voice, Piano, Organ, Violin.
Four hours per week, first semester.

II. Continuation of French I

Elective to Seniors for degree of Mus. Bac. in Voice, Piano, Organ, Violin.
Four hours per week, second semester.

GERMAN

Edith A. Hill, Professor

I. First Year German

Systematic training in simple conversation narration and the elements of German Grammar.

Texts suitable for the first year will be read

Required of Freshmen for degree of Mus. Bac. in Piano, Violin and Organ.

Elective to Seniors for degree of Mus. Bac. in Voice.

Four hours per week, first semester.

II. First Year German

Continuation of German I.

Required of Freshmen for degree of Mus. Bac. in Piano, Violin and Organ.

Elective to Seniors for degree of Mus. Bac. in Voice.

Four hours per week, second semester.

III. Second Year German

Composition and conversation. Reading of Lessing, Goethe and Schiller.

Required of Sophomores for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

IV. Second Year German

Continuation of German III.

Required of Sophomores for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

V. Third Year German

The German Novel; Scheffel's Ekkehard; Freytag's Soll und Haben; Sudermann's Frau Sorge; Hoffmann's Das Fraulin von Scuderie, and others. Reading and discussion.

Required of Juniors for degree of Mus. Bac in Piano, Violin and Organ.

Three hours per week, first semester.

VI. Third Year German

Continuation of German V.

Required of Juniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

VII. Faust, Parts One and Two

Careful study of the poetry and unity.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

VIII. Faust

Continuation of German VII.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

ART

Kate Watkins, Head of Art Department

Students will be admitted at any time; but not for less than one semester, except by special arrangement.

Students may enter any class upon presenting work showing necessary skill.

Instruction in all classes is individual.

Advancement of each student depends upon the degree of proficiency only.

All fees are payable in advance, as follows:

Two lessons a week, per semester.....$40.00
One lesson a week, per semester..... 20.00

COURSE OF STUDY

First Year

Charcoal drawing from casts. Charcoal and pencil drawing from still life. Out-door sketching in charcoal and pencil.

Second Year

Drawing from the antique. Water color from still life.

Out-door sketching in pencil, charcoal and pastel.

Third Year

Drawing from life in charcoal. Out-door sketching in water color. Composition.

Fourth Year

Drawing from life in charcoal. Painting from still life in oil and water color. Out-door sketching in oil and water color.

History of Art.

Academy

GENERAL INFORMATION

The University authorities have determined, for a few years at least, to maintain an academy department, covering approximately the last two years of the regular high school or academy courses. The work in these classes will be given in so far as possible, by the regular professors in the University.

Students contemplating entering the academy should request the superintendent of the school last attended to forward to the Registrar of the University a certificate showing the work for which credit will be asked. The entrance requirements for this department presuppose that the student has completed the work for the first two years in some accredited high school.

Students expecting to take the entrance examinations should present themselves to the Dean on the dates set for such examinations (see Calendar.)

The system of grading, the regulations as to work and examinations, and all general rules and regulations of the University apply also to the Academy. Upon request, parents of the students in the Academy will be kept informed as to the character of the work being done.

Graduates from the Academy will be granted a diploma showing completion of this work and will be admitted to the University without examination.

To that student graduating from the Academy with the highest average grade of work done in residence of at least one year will be granted a prize in the form of a free tuition in the College of Liberal Arts for one semester, providing such work is taken during the year immediately following that in which said student completed the Academy.

DORMITORIES AND ROOMS

The two halls, the one for men, the other for women, supply accommodations for a limited number of students. Those who cannot be thus provided for, or for any reason prefer to room and board elsewhere may secure a list of approved places upon application to the University. (For rates see Expenses).

The following outline of courses is offered in the Academy and corresponds approximately to those of the third and fourth years of our best high schools.

FIRST YEAR

First Semester

English, A.—Composition.—College entrance requirements.
Latin, A.—Cicero—Orations and letters.
Greek, A.—Elementary.
French, A.—Elementary.
German, A.—Elementary.
Mathematics, A.—Plane Geometry.
Chemistry, A.—Elements of Chemistry.
Zoology, A.—Elementary.
Physical Education.

Second Semester

English, B.—College entrance requirements.
Latin, B.—Cicero.—Orations and letters.
Greek, B.—Elementary.
French, B.—Elementary.
German, B.—Elementary.
Mathematics, B.—Plane Geometry.
Chemistry, B.—Elements of Chemistry.
Zoology, B.—Elementary.
Physical Education.

SECOND YEAR

First Semester

English, C.—Rhetoric and college entrance requirements.
History, A.—American History and Civics.
Latin, C.—Vergil.—Aeneid.
Greek, C.—Xenophon.—Anabasis.
French, C.—Second Year French.
German, C.—Second Year German.
Mathematics, C.—Intermediate Algebra.
Mathematics, D.—Solid Geometry.
Physics, A.—Elementary.
Physical Education.

Second Semester

English, D.—Argumentation.—College entrance requirements.
History, B.—American History and Civics.
Latin, D.—Vergil.—Aeneid.
Greek, D.—Xenophon.—Anabasis.
French, D.—Second Year French.
German, D.—Second Year German.
Physics, B.—Elementary.
Physical Education.

All Academy classes meet four hours per week, except the second year Modern Languages, which meet three hours per week, Chemistry and Physics which meet five hours per week and Physical Education which meets twice a week. For details of work see Admission and Admission by Certificate.

Register of Students

For the Year 1913-14.

Ary, Mrs. Clara Eunice, Mus.....Redlands
Avey, Helen, Spec. ..... Redlands
Anderson, Roscoe William, Fr..... Redlands
Arthur, Cecil Esterly, Mus..... Redlands
Barnes, Hubert Earl, Jun. .....Berkeley, Cal.
Bamford, Edwin F., Acd. .....Los Angeles, Cal.
Belcher, Florence, Fr. ..... Madera, Cal.
Beamer, Josepha Helen, Soph.....Redlands
Beebe, Wallace Burdette, Sen.....Corona, Cal.
Behrens, Elizabeth V., Mus.....Redlands
Bekins, Ruth Marie, P. G. .....Los Angeles, Cal.
Black, Carolina Abagail, Fr.....Redlands
Black, Sena E., Jun.....Redlands
Blowers, E. Jeannette, Fr. ..... Madera, Cal.
Blowers, Hughes Milnor, Jun.....Madera, Cal.
Bonnell, Robert Owen, Sen.....Colton, Cal.
Brewster, Jack Alexander, Jun.....Redlands
Campbell, Annie Jane, Acd.....Vancouver, B. C.
Campbell, Clinton, C., Acd.....Vancouver, B. C.
Carpenter, Isabel, Fr. .....Redlands
Carson, George John, Fr.....Redlands
Chamberlin, Norma Irene, Jun.....Redlands
Chedester, Franklin Pierce, Spec .....Redlands
Chute, Eulalia Mabel, Fr. .....Ceres, Cal.
Cocking, Arthur H., Acd. .....Vancouver, B. C.

Cook, Flora Cordelia, Sen.....Redlands
Coolidge, Frances Emily, Sen.....Pasadena, Cal.
Cooper, Frederick Leonard, Fr. ...Santa Barbara, Cal.
Coones, Clarence Conrad, Mus.....San Bernardino, Cal.
Cowgill, Ralph, Fr. .....Redlands
Cram, Arthur Davis, Soph.....East Highlands, Cal.
Cram, William Henry, Soph.....East Highlands, Cal.
Crossland, Firth, Mus..... Patton, Cal.
Cumings, Sophie Louise, Sen. ..... Redlands
Curtis, Faye, Sen..... Redlands
Cyren, Hilma Elvera, Soph.....Redlands
Davis, Ruth Fr.....San Jacinto, Cal.
Davis, Mary Louise, Spec..... Redlands
Deming, Mrs. Nellie C., Mus.....Redlands
Dibble, Earl A. Fr.....San Diego, Cal.
Dudley, Sarah E., Jun. ..... Redlands
Eastman, R. Pauline, Mus.....San Bernardino, Cal.
Edwards, Curtis Vergil, Spec. .....Redlands
Evans, Thomas Jefferson, Jun.....Loma Linda, Cal.
Evans, Maude, Mus. ..... Highland, Cal.
Field, Helen Marie, P. G.. ..... Redlands
Ford, Charlotte Louise, Spec.....Redlands
Freeman, Joe, Acd.....Madera, Cal
Freeman, Reed, Acd.....Madera, Cal.
Geddes, Ernest Roderic, Fr. .....Long Beach, Cal.
Geistweit, Harold Nash, Fr.....San Diego, Cal.
Geistweit, William H., Jr., Jun.....San Diego, Cal.
Gibson, Ethel Alice, Mus. .....Chino, Cal.
Gillett, Charles Edwin, Fr.....Holtville, Cal.
Gore, Dennis A., Spec.....Forest Grove, Ore.

Gore, Thomas J., Spec. . . . . Winchester, Tenn.
Green, Adeline Frances, Acd. . . . . Pikeview, Colo.
Gordon, Anita M., Sen. . . . . Oxnard, Cal.
Harrison, Hazel Dorothea, Mus. . . . . Redlands
Harmon, Florence Louise, Soph. . . . . Redlands
Haupt, Herman, Fr. . . . . Redlands
Hazzard, Lucy May, Fr. . . . . Redlands
Henrickson, Inez V., Mus. . . . . Highland, Cal.
Hentschke, Armin Carl, Soph. . . . . Redlands
Hentschke, Walter George, Sen. . . . . Redlands
Hill, James L. B., Acd. . . . . San Diego, Cal.
Hill, Mary Olive, Mus. . . . . Highland, Cal.
Hill, Nellie Louise, Sen. . . . . Santa Ana, Cal.
Hodge, Ollie Abe, Acd. . . . . Lindsay, Cal.
Hollister, Edythe, Mus. . . . . Redlands
Hook, A. Carol, Soph. . . . . Perris, Cal.
Huling, Franklin Green, Acd. . . . . Douner's Grove, Ill.
Humeston, Harold Bruck, Sen. . . . . San Bernardino, Cal.
Humeston, Vincent Leeds, Acd. . . . . Chino, Cal.
Jacobsen, Arthur D., Fr. . . . . Selma, Cal.
Jones, Mrs. Letitia Felix, Mus. . . . . Redlands
Knapp, Carl E., Sen. . . . . Litchfield, Neb.
Knight, Samuel, Jun. . . . . Redlands
Knopp, Juliet Lee, Fr. . . . . St. Louis, Mo.
Koonce, Lawrence L., Acd. . . . . Madera, Cal.
Koonce, Lynville Davis, Acd. . . . . Madera, Cal.
Krause, Vernette Grover, Jun. . . . . Redlands
Lane, Golden, Jun. . . . . Del Rosa, Cal.
Lee, Ruth, Soph. . . . . Azusa, Cal.
Leonard, James Sawyer, Fr. . . . . Redlands

Lever, Janette, Fr. . . . . Redlands
Lewis, Charles B., Jun. . . . . Edgewater, Colo.
Linderman, Florence Amelia, Jun. . . . . Saltriver, Ariz.
Lockwood, William Ellison, Fr. . . . . Redlands
Long, Esther Melora, Spoh. . . . . Perris, Cal.
Lyon, Margaret, Mus. . . . . Redlands
Lillie, Andy James, Acd. . . . . Camarillo, Cal.
Mahan, Sterly S., Acd. . . . . Camarillo, Cal.
McCarty, Maude, Soph. . . . . Gardena, Cal.
McIntosh, Al., Acd. . . . . Redlands
McIver, Paul George, Mus. . . . . Redlands
McIvor, Mabelle Grace, Mus. . . . . Winnepeg, Man.
McQuilken, Minnie Mercedes, Jun., San Bernardino, Cal.
Meeker, Zenas Earl, Jun. . . . . Redlands
Miner, Carl, Mus. . . . . Redlands
Montgomery, Mary Phillips, P. G. . . . . Redlands
Morgan, Karle Barnett, Fr. . . . . Redlands
Morley, Marv C. Mus. . . . . Redlands
Nelson, Frances Elizabeth, Fr. . . . . Kingsburg, Cal.
Niemann, Frank Herman, Fr. . . . . Elsinore, Cal.
Nye, Villa, Mus. . . . . Highland, Cal.
Oehl, Freda, Mus. . . . . San Bernardino, Cal.
Oliver, Ruth, Fr. . . . . El Monte, Cal.
Parmelee, Iva E., Jun. . . . . Redlands
Porter, Ora, Mus. . . . . Redlands
Ralston, Donald G. Spec. . . . . McConnelsville, Ohio
Redden, Anne M., Soph. . . . . Pasadena, Cal.
Reider, Mary Helen, Spec. . . . . Rivera, Cal.
Rentfrow, Verda M., Jun. . . . . Redlands
Rickman, Charles Hulbert, Jun. . . . . Long Beach, Cal.

Riffe, John William, Fr. ..... Sanger, Cal.
Rigg, D. Webster, Sen. .....Mt. Washington, Mo.
Schwinn, Kenneth E., Fr. .....Alexandria, Ind.
Scott, Miriam, Spec. ..... Redlands
Setterlund, Elmer L., Soph. .....Kingsburg, Cal.
Silke, Victor Stanley, Fr. ..... Santa Barbara, Cal.
Smalley, Arthur Denney, Sen. ..... Pasadena, Cal.
Smith, Douglas Warren, Fr. ..... Redlands
Smith, Elizabeth Irene, Fr. ..... Madera, Cal.
Stephens, Dorothy Ruth, Mus. ...South Pasadena, Cal.
Stevenson, Milton Stewart, Acd. .....Des Moines, Iowa
Stone, Boyd Eldon, Fr. ..... Spa, Cal.
Stout, Alan, Fr. ..... Ceres, Cal.
Spoor, Wilson, Fr. ..... Redlands
Spayth, Newell D., Sen. ..... Redlands
Symmes, Eleanor A., Spec. ..... Redlands
Thomason, Ira L., Soph. ..... Redlands
Thompson, John H., Acd. .....Cucamonga, Cal.
Tinker, Paul E., Fr. ..... Redlands
Treat, Mila Hakes, Soph. .....Washington, Pa.
Trine, Frank Leesyl, Acd. ..... Madera, Cal.
Trotter, Frederick Belrose, Fr., ...
.....Sandgmunt, Dublin, Ireland
Truslow, Edythe Mae, Mus. ..... Redlands
Turrill, Gardner Stilson, Jr., Fr. ..... Redlands
Turrill, May Emeline, Fr. ..... Redlands
Uzes, Alphonse, Mus. ..... Redlands
Uzes, Francois Hurley, Mus. ..... Redlands
Vineyard, Clyde, Acd. ..... Redlands
Wade, Elizabeth A., Mus. ..... Redlands

Walker, Owen, Jun. .....Hollywood, Cal.
Ward, Ruth Clarissa, Fr. ..... Upland, Cal.
Whitney, Allen Fitch, Fr. ..... Redlands
Williams, Joshua, Mus. ..... San Diego, Cal.
Williams, Roger John, Sen. .....Redlands
Wilson, Lorraine, Fr. ..... Redlands
Wilson, W. Rollo, Acd. ..... Redlands
Winston, John Clark, Acd. ..... Redlands
Winsor, LaRue Morse, Fr. ..... Redlands
Wisdom, Gaile Lessie, Soph. .....Escondido, Cal.
Wood, Hazel Elizabeth, Sen. .....Glendale, Cal.

Total enrollment 155

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UNIVERSITY
OF
REDLANDS
BULLETIN

Annual Catalog

UNIVERSITY OF ILLINOIS
OCT 4 1915
PRESIDENT'S OFFICE

Vol. V MARCH, 1915 No. 1

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UNIVERSITY OF REDLANDS

UNIVERSITY OF REDLANDS

Seventh Annual Announcement

Redlands, California

1915–1916

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UNDER THE ACT OF JULY 16, 1894.

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Calendar

1915

September 13th and 14th, Monday and Tuesday—Entrance examinations and registration for First Semester.

Note—The Monday registration is especially intended for students of Redlands.

September 15th, Wednesday—First Semester begins with Assembly at 10:45 a. m.

November 25th, Thursday, to November 29th, Monday, at 1:00 p. m., Thanksgiving Recess.

December 22nd, Wednesday—Christmas Vacation begins at 4:00 p. m.

1916

January 5th, Wednesday—Christmas Vacation ends at 1:00 p. m.

January—Tuesday following meeting of Southern California Baptist convention, semi-annual meeting of Board of Trustees, 1:00 p. m.

January 27th, Thursday—Day of Prayer for Colleges.

January 31st, February 1st and 2nd, Monday, Tuesday and Wednesday—Mid-year examinations.

February 4th, Friday—Second Semester begins at 7:45 a. m.

March 24th, Friday—Spring Vacation begins at 4.00 p. m.

April 3rd, Monday—Spring Vacation ends at 1:00 p. m.

June 7th, 8th and 9th, Wednesday, Thursday and Friday —Final examinations.

June 10th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 11th, Sunday—Baccalaureate Sermon, 11 a. m.
Service, 7:30 p. m.

June 12th, Monday evening—Annual Zanjafiesta.
Semi-annual meeting of the Board of Trustees, 1:00 p. m.

June 13th, Tuesday—Alumni meeting and banquet, 11:00 a. m.
Class Day.

June 14th, Wednesday—Commencement, 10:30 a. m.
College Dinner.

Board of Trustees

MEMBERS OF THE BOARD

TERM EXPIRING 1916

A. T. Currier, Pomona.
W. B. Percival, M. D., Los Angeles.
J. Whitcomb Brougher, Los Angeles.
J. H. Strait, Redlands.
W. H. Fowler, Ontario.
W. F. Harper, Pomona.
J. W. Curtis, San Bernardino.
Mrs. Martin Bekins, Los Angeles.

TERM EXPIRING 1917

J. P. Haddock, San Diego.
G. S. Turrill, Redlands.
Arthur Gregory, Redlands.
W. F. Wood, Glendale.
Otto S. Russell, Santa Ana.
Geo. D. Knights, Long Beach.
M. W. Hill, M. D., Redlands.
J. W. Conley, Fresno.

TERM EXPIRING 1918

Mattison B. Jones, Los Angeles.
G. F. Holt, Riverside.
J. H. Merriam, Pasadena.
W. H. Geistweit, San Diego.
L. A. Broadway, Pasadena.
Weymouth Crowell, Los Angeles.
Mrs. W. H. Jameson, Corona.

OFFICERS OF THE BOARD

Mattison B. Jones, President, - - Los Angeles
H. W. Hellman Building.

G. F. Holt, Vice President - - Riverside

J. W. Curtis, Secretary, - - San Bernardino
No. 680 E Street

Herbert E. Marsh, Treasurer, - - Redlands

Geo. P. Cortner, Business Manager - Redlands

Rev. Alonzo M. Petty, D. D., - Field Representative
No. 625 Baker-Detwiler Bldg., Los Angeles.

Executive Committee

Mattison B. Jones.
G. F. Holt.
J. W. Curtis.
W. B. Percival.
J. H. Merriam.
J. W. Brougher.
J. H. Strait.

Faculty

VICTOR L. DUKE, A. M., Dean of the College of Liberal Arts. *Professor of Mathematics.*

A. B., Shurtleff College, 1897, A. M., 1903. University of Chicago Summer Sessions, 1898, 1899, 1900, 1901 and 1903.
University of Redlands, 1909—.
Residence, 155 E. Cypress Avenue.

A. HARVEY COLLINS, A. M., Registrar.

Professor of History.

A. B., Indiana University, 1890. University of California Summer School Sessions, 1903, 1906.
A. M., University of Southern California, 1912.
University of Redlands, 1909—.
Residence, 314 West Olive Avenue.

HERBERT EUGENE MARSH, B. S. Treasurer.

Professor of Physics and Engineering.

B. S., Michigan Agricultural College, 1908.
University of Redlands, 1912—.
Residence, 618 East Fern Avenue.

JAMES W. KYLE, A. M.

Professor of Ancient Languages.

A. B., Denison University, 1894. A. M., University of Chicago, 1900.
Student Royal Museum, Berlin, 1898. Member of American School of Classical Studies, Athens, Greece, 1898-99.
University of Redlands, 1909—.
Residence, 621 University Street.

S. Guy Jones, B. S.

Professor of Chemistry.

B. S., Denison University, 1903.
University of Redlands, 1909—
Residence, 110 Myrtle Street.

George Robertson, A. B.

Professor of Biology and Geology.

A. B., McGill University, Montreal, 1881. Graduate Congregational College, Montreal, Canada, 1882.
University of Redlands, 1911—.
Residence, 152 The Terrace.

Herbert E. Wise, A. B.

Professor of Philosophy and Education.

A. B., University of Manitoba, 1892. Graduate of Newton Theological Institution, 1897.
University of Redlands, 1910—
Residence, 775 Linda Vista.

Edith Abigail Hill, A. B.

Professor of Modern Languages.

A. B., Leland Stanford Junior University, 1903. Student at the Sorbonne, Paris, 1903. Student University of Berlin, 1904. Student in Mexico, 1905. Student University of Madrid, 1909-10.
University of Redlands, 1910—.
Residence, 14 Clifton Avenue.

Egbert Ray Nichols, A. M.

Professor of English Literature.

Ph. B., Franklin College, 1907.. A. M., Harvard University, 1909.
University of Redlands, 1913—.
Residence, 1018 Campus Avenue.

HOWARD C. TILTON, A. M.

Professor of Political and Social Science

A. B., Shurtleff College, 1895. A. M., Brown University, 1897.

University of Redlands, 1914—.

Residence 614 East Fern Avenue.

MARY LOUISE TODD, A. B.

Associate Professor of English

A. B. University of Colorado, 1910. Graduate Student University of Southern California, 1914.

University of Redlands, 1914—.

Residence, Palmhurst, Cook Street.

ASHEL CUNNINGHAM, L. L. B.

Physical Instructor and Director of Athletics.

L. L. B. Indiana University, 1912.

University of Redlands, 1913—.

Residence, 932 East Colton Avenue.

ELEANOR A. SYMMES, Librarian.

Student of Library Science University of California. Organized High School and Public School Libraries of Redlands.

Librarian of the University of Redlands, 1914—.

Residence, Bekins Hall, Redlands, Cal.

COLLEGE OF FINE ARTS

CHARLES EDWARD HUBACH, Dean of the College of Fine Arts.

Professor of Voice, Bel Canto and General Repertoire. Director of Choral Society.

Graduate New England Conservatory of Music.
Student of Sbriglia, Paris.
Student of Barracchia, Florence, Italy.
University of Redlands, 1914—
Residence, 121 East Fern Ave.

*EDWARD CADORET HOPKINS, Head of Piano and Organ Department.

Professor of Piano, Organ and Theory, Director of Orchestra.

Student of H. J. Stewart, Mus. Doc., and of Mme. Leonie Brandt, of San Francisco.
University of Redlands, 1909-15.

CARL ADOLPH PREYER, Mus. Dr.

Professor of Pianoforte, Composition, Counterpoint, Canon and Fugue.

Student Baker University, Mus. Dr., Vienna, 1909.
Head of Department of Piano, Counterpoint and Fugue, University of Kansas, 1902-1915.
University of Redlands, 1915—

OSKAR BENJAMIN SEILING, Head of Violin Department.

Professor of Violin.

Director and First Violinist Brahms Quintette, Los Angeles.
Residence, Los Angeles, California.

*Resigned March, 1915.

CARL E. MINER
Instructor in Violin.
Student of Ignaz Haroldi.
Residence, 314 West Fern Ave.

ELIZABETH MAY RODRIGUES.
Instructor in Piano.
Instructor in Italian.
University of Redlands, 1911—.
Residence, E. San Bernardino Ave.

FLORA CORDELIA COOK, Mus. Bac.
Instructor in Piano.
Instructor in Harmony.
Graduate of Lake Erie College Conservatory, 1903.
Student of Mme. Lillian Lord-Wood, Redlands.
Bachelor of Music, U. of R., 1914.
University of Redlands, 1913—.
Residence, Terracina Blvd.

KATE WATKINS, Head of Art Department.
Instructor in Drawing, Painting, Modeling, Lecturer in History of Art.
Student of J. Carrol Beckwith (Art League) and Kenyon Cox of New York. Student of the Julian Studios and Henry Mosler, Paris, France.
University of Redlands, 1913—.
Residence, Bekins Hall, Redlands, Cal.

A. HARVEY COLLINS, A. M.
Professor of History and Registrar.

HERBERT E. WISE, A. B.,
Professor of Philosophy. Instructor in Biblical Studies.

EDITH ABIGAIL HILL, A. B.,
Professor of Modern Languages.

STANDING COMMITTEES
1915-16.

Athletics—
S. Guy Jones, J. W. Kyle, Ashel Cunningham.

Discipline—
V. L. Duke, H. E. Wise, H. C. Tilton.

Dormitories—
V. L. Duke, H. E. Wise, George Robertson.

Grounds and Orchard—
J. W. Kyle, Geo. Robertson, Business Manager Geo. P. Cortner.

Library—
H. E. Wise, H. C. Tilton, E. R. Nichols and Dr. M. W. Hill, from Board of Trustees.

Museum—
George Robertson.

Prizes—
J. W. Kyle.

Publications—
A. H. Collins, V. L. Duke, E. R. Nichols.

Schedule—
S. G. Jones, A. H. Collins, E. A. Hill.

Student Literary Activities—
E. A. Hill, A. H. Collins, H. E. Wise.

Christian Work—
V. L. Duke, H. C. Tilton, H. E. Wise.

Events of the Past Year

The following are the important events which have occurred during the past year:

COMMENCEMENT WEEK

June 13th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 14th, Sunday, 11 a. m.—Baccalaureate Sermon by President Jasper Newton Field, D. D.
7:30 p. m.—Vesper Service. Address by Rev. Albert Hatcher Smith, D. D., Pastor First Baptist Church, Hollywood, California.

June 15th, Monday, 7:30 to 10 p. m.—Students' Annual Zanjafiesta.

June 16th, Tuesday, 2:00 p. m.—Class Day Exercises of the Class of 1914.
8:00 p. m.—President's Reception.

June 17th, Wednesday, Commencement Day, 10:30 a. m. —Address by Rev. John Balcom Shaw, D. D., LL. D., Pastor Immanuel Presbyterian Church, Los Angeles, California.

Address and conferring of degrees by President Jasper Newton Field, D. D.

1:15 p. m.—Fourth annual college dinner.

During the present year, 1914-15, the University of Redlands has been favored with a number of assembly addresses by distinguished men and women as follows:

March 25th—Mr. John P. Fisk, Real Estate and Insurance, Redlands, Cal., "Business and College Education."

April 7th—Dan Crawford, for twenty-three years in the middle of Africa, "Life in Africa."

April 9th—Miss Hester Alway, New York City, "Some Elements in the Formation of Character."

April 14th—Travelling Secretary Mr. Haunshell of the Student Volunteer Movement.

April 23rd—Mr. Wm. C. Allen, President of the Northern Peace Society, "Peace."

April 29th—Rev. H. E. Murkett, Pastor First Methodist Church, Redlands, Cal., "Materialism vs. Spiritualism."

May 6th—Geo. P. Cortner, Mayor of Redlands, "City Government in a Practical Way."

May 20th—C. H. Covell, Superintendent of City Schools, Redlands, Cal., "Need of Preparation."

May 21st—Chester A. Rowell, Editor of the Fresno Republican, "California in the Future."

June 3rd—Dr. J. L. Avey, Redlands Cal., "Impressions Received During Six Months Abroad."

September 16th—Opening Day. Rev. Geo. D. Knights, D. D., Pastor First Baptist Church, Long Beach, Cal. Address.

September 30th—Rev. A. E. Isham, Pastor of English Lutheran Church, Redlands, Cal.

October 12th—Mr. Kiya S. Inui, Member of American and Japanese Association of America, "Wise and Otherwise Men."

October 15th—Rev. C. L. Davenport, Missionary Mandalay, Burma, "Does It Pay to Spend Time, Energy and Money on Missions?"

October 21st—Dr. Howard G. Hill, Redlands, Cal., "Around Banares, the Holy City of India."

October 28th—George S. Hinckley, City Engineer of Redlands, "The Los Angeles Aqueduct."

November 4th—Mr. Edgar Williams, Editor of the Redlands Review, Member of the State Civil Service Commission, "Civil Service in California."

November 11th—Rev. John Bentzein, Assistant Pastor Temple Baptist Church, Los Angeles.

November 18th—Rev. J. F. Watson, D. D., Secretary of Baptist State Convention of Southern California, "Glimpses of Italy."

November 25th—Rev. C. O. Johnson, Pastor South Park Baptist Church, Los Angeles.

December 2nd—Mr. George S. Biggin, President of Chamber of Commerce, Redlands, Cal.

December 2nd—Professor J. A. Baber, Ph.D., Sunday School Director of Southern California Baptist Convention.

December 7th—Rev. Geo. Brewer, Director of Baptist Missionary Work in Mexico City, "Conditions in Mexico."

December 9th—Dr. A. E. Hill, Pastor Congregational Church, National City, Cal.

December 16th—Colored Quintet, Tuskegee Institute, Alabama.

January 7th, 1915—Rev. W. W. Catherwood, Pastor First Baptist Church, Covina, "Do You Think You Will Win?"

January 12th—Mr. D. F. McClelland, Travelling Secretary Student Volunteer Movement for Foreign Missions.

January 19th—Rev. Geo. D. Knights, D. D., Member of Board of Trustees.

January 21st—Day of Prayer for Colleges. Rev. A. M. Petty, D. D., Field Representative University of Redlands.

January 27th—Rev. J. Lewis Smith, D. D., Pastor Tremont Baptist Church, Pasadena, "Three V's of a Practical Education."

February 8—Miss Iugo Petterson, Secretary of Women's Foreign Missionary Society on the Pacific Coast, "Need and Opportunity to Fill That Need."

February 12th—Dr. David. B. Schneder, President of Northern Japan College, Sendai, Japan, "Present Relations Between America and Japan."

February 17th—Lyman M. King, State Senator from Redlands, "Impressions of a New Senator."

February 24th—Mr. Fred H. Killick, with Los Angeles Times, " "Simple Means of Resuscitation."

March 4th—Rev. J. A. Francis, D. D., Pastor First Baptist Church, Los Angeles, Cal., "The Kingdom of God."

March 10th—Dr. Galusha Anderson, Emeritus Professor of Literature University of Chicago, "Education."

March 24th—Kirke H. Field, Attorney, Redlands, Cal., "Peace Thru International Arbitration."

University of Redlands

HISTORICAL

On the seventh day of December, 1906, the Baptists of Southern California, in Convention assembled in Berean Hall, Los Angeles, resolved to found and foster a high grade, first class Christian college. A committee of twenty-one representative men was appointed to select the location for the college, manage the campaign for a Founding Fund and organize the institution.

The citizens of Redlands made an offer of $100,000 and forty acres of land for the location of the school in their city, on condition that the Baptists of Southern California raise at least $200,000 additional. The proposition was accepted and plans were immediately made for the state canvass. Under the leadership of Doctor Jasper Newton Field, then pastor of the First Baptist Church of Redlands, the canvass was begun on September 1st, 1907.

The campaign met with such a hearty response that at the convention held in Los Angeles in January, 1909, the committee was able to announce the assured success of the movemnt.

To the forty acres given by Redlands for a campus has since been added twenty-three acres, including the beautiful University Hill, now occupied by the Administration Building and the President's Residence.

With the $300,000 founding fund and the beginning of the first building the work of actualizing the institution may be said to have commenced.

The University of Redlands was incorporated under that title in 1907.

On September 29th, 1909, less than three years from the time of the inception of the movement, the institution threw open its doors to the public.

In obedience to the expressed wish of the Baptist Convention of Southern California the Board of Trustees chose Dr. Jasper Newton Field, who had so ably conducted the founding fund canvass, as the first President of the University.

The College of Liberal Arts was organized and continued thru the first semester of 1909-10 in the Bible School rooms of the First Baptist Church of Redlands.

In February, 1910, the ample Administration Building was occupied.

From the beginning a College of Fine Arts had been a prominent feature of the University plan. Under the able management of Don Jose M. A. Rodrigues, a noted vocal professor residing in Redlands at the time, a school of Music and Art was founded which soon outgrew the quarters provided, necessitating the use of the building intended as a President's Home, for the proper accommodation of the classes. Even these excellent rooms are inadequate to accommodate audiences at the concerts and recitals that form such an important feature of this work.

It is hoped that in the near future provisions may be

made for a special building containing an assembly hall of ample capacity, with a pipe organ and a choir loft; class rooms and a small recital hall.

LOCATION

Redlands, the home of the University, is a beautiful city of 11,000 inhabitants, situated sixty-six miles east of Los Angeles, in the heart of the best orange growing district in the world, and close to the eternal mountains, whose massive strength gives courage, whose grandeur gives inspiration, whose repose gives rest. The city is located at an altitude of about 1400 feet, which gives it as nearly an ideal climate as it is possible to find, sometimes touching the frost point in winter, warm in summer; but, even in the warmest summer months, always having cool and restful nights.

Flowers blossom all the year round and the finest fruits are always in season. The class of people who have made Redlands what it is, coming from all parts of the country, is thoroughly cosmopolitan and is closely in touch with the latest thought and endeavor of the world. Redlands is a church going city, and with this sentiment thus dominant there is no saloon within her borders. In short, Redlands is a city of high moral tone and culture, justly deserving the name that has been given to it, "The Athens of Southern California." Many trains a day, steam and trolley, connect Redlands with Los Angeles and other nearby towns, the trip to Los Angeles taking two and one-half hours, through the orange groves and vineyards of the

garden spot of the United States. Redlands can be reached directly via either the Southern Pacific or the Santa Fe railroads or the Pacific Electric. It is also reached by the Salt Lake Route through San Bernardino and Pacific Electric to Redlands.

The location of this place for an institution of higher learning, such as the University of Redlands, presents unusual opportunities for an ideal home life to parents desiring to have their children live at home while pursuing a college course.

CAMPUS

In a beautiful valley under the shadow of the "Everlasting Hills" the campus of the University of Redlands surely has an inspiring setting. Its sixty-three acres, under the skill of a landscape architect, aided by a beneficient climate, has in a short time become a spot of rare beauty. A special, and to many, a unique feature of the campus is a regularly laid out and fruit bearing orange grove of 1900 trees, covering every slope of University Hill. With stately architecture to grace its green sward, winding drives, glowing flowers, and wrapt in the indefinable atmosphere which adds so much romance and charm to our Western land, the place itself will surely inspire with the highest ideals the sons and daughters who will throng its halls of learning.

THE BUILDINGS

ADMINISTRATION

The main structure of the whole University scheme, the Administration Building, was completed in 1910. It is massive and monumental in character, a pure example of classic architecture, of the mixed Ionic order. The exterior is faced with gray granite and with its massive columns and red tile roof harmonizes admirably with its majestic setting of mountain and valley.

The building contains the offices of the President, Dean, Registrar and Treasurer, and at present accommodates the recitation and laboratory work of the College of Liberal Arts, embracing some sixteen recitation rooms, chemical and physical laboratories, lecture rooms, library, society halls; locker rooms, etc. The entire equipment is of the highest order, especial attention being paid to the ventilation and sanitary requirements.

FINE ARTS BUILDING

To the East of the Administration Building, and forming the second of the group of three, proposed for University Hill, stands the President's Residence. This beautiful structure is at present accommodating the classrooms and studios of the College of Fine Arts. Its handsome lines harmonize with those of the Administration Building, and the others on the Campus.

The Vocal, Piano, Violin, and Art Studios, as well as the classrooms, practice rooms, and musical library,

are in this structure while the spacious hall provides room for the accommodation of audiences at the semi-monthly and other recitals.

Originally designed as the President's Residence, the kitchens and other conveniences furnish an ideal opportunity for social functions, which are also held in this building when occasion demands.

The building was largely the gift of Mrs. Julia A. Libby of Santa Ana.

BEKINS HALL

Bekins Hall, the gift of Mr. and Mrs. Martin Bekins, of Los Angeles, was completed and occupied in October, 1910. The building is classic in architecture and absolutely fireproof in construction. It contains rooms for the accommodation of fifty young women, besides parlors, dining hall and kitchen, and a specially equipped laundry. Many of the rooms are connected with private baths. Ample verandas and a roof garden foster out-door life.

REAVIS HALL

Reavis Hall is named in honor of Benjamin H. Reavis, of Orange, Cal., whose generous gifts to the University have more than justified the naming of the young men's dormitory. The hall is a pleasant home-like structure, located in the borders of a beautiful orange grove and will accommodate eighteen students.

GYMNASIUM

At the northeast corner of the Athletic Field stands the gymnasium with a floor space 60 feet by 40 feet and

containing apparatus and facilities for all indoor exercises and sports for both men and women. Southwest of the gymnasium are the Athletic Field and Tennis Courts, and arrangements for all sorts of out-door sports and exercises.

ORGANIZATIONS

Associated Student Body

The Associated Student Body is composed of all the students matriculated in the various colleges of the University and the Academy. Its officers are chosen by the student body from their own number. Regular meetings are held each week to deal with matters of general interest to all students.

Athletic Association

A thoroly organized and live Athletic Association, to which every student is expected to belong, is maintained. Each year this association has presented athletic "R's" to those members of the teams who have distinguished themselves.

SOCIETIES AND CLUBS

Pi Kappa Chi

The young ladies of the University maintain the Pi Kappa Chi literary society for literary and social development. The membership is limited, hence coveted. Meetings are held on alternate Thursday afternoons. This society is proving of great pleasure and profit to its members.

Debating Council

For the purpose of acquiring practice and skill in debating and oratory a body of the young men organized the Debating Council, limited to twenty-five. Intercollegiate debaters and oratorical contestants while not restricted to members of this society, nevertheless find the drill in the society an excellent training for these contests.

Pi Kappa Delta

The University of Redlands has a chapter of Pi Kappa Delta, a forensic honor society organized among colleges of the Middle West in January, 1913. All orators and debaters who represent the institution in intercollegiate contests are eligible to membership and are elected upon application. The organization confers an honorary key which is jewelled to show the achievement in forensics attained by the wearer.

Christian Associations

Branches of the College Departments of the Young Men's Christian Association and the Young Women's Christian Association are doing active and effective work. Each association holds a weekly prayer meeting. Representatives from the societies are sent to the Bible and General Conferences for Colleges. The good effect of these Christian organizations is very marked in the daily life of the student body. Every encouragement and assistance is given these organizations by the faculty.

The Choral Society

The Choral Society is composed of those of the student body who are musically inclined. The society is under the direction of Dean Hubach and is designed to give drill in general chorus work and, by means of talks and lectures, to give the members a knowledge of the historical and cultural value of music. One hour of credit per year is given for satisfactory work in the society.

German Club

In February, 1910, the German Club was organized under the direction of Professor Hill, and meets fortnightly. The club chooses its own officers and has as one of its regulations, "no language but German for one hour." Besides the social feature, the benefits of the club are seen in a better pronunciation and understanding of the German language.

Orchestra

An Orchestra for the study of the best music in this line has been organized this year and already shows signs of becoming more than an ordinary influence in the life of the college. The rehearsals are held each Tuesday evening under the direction of Professor Hopkins, and with Mr. Miner as concert-master the organization is rapidly acquiring a repertoire for public performances.

All students of the Violin and other instruments are required to assist in the Orchestra if necessary.

Concert Octet

A Concert Octet of mixed voices from the ranks of the vocal students makes frequent trips to the nearby cities for mutual benefit and to advertise the University in other communities. Admission to this organization is by competitive examinations under the supervision of the Dean of the College of Fine Arts. Only the finest of artistic music is rendered by these young people, who have given great pleasure to many by their capable performance.

COLLEGE PUBLICATIONS

The University of Redlands publishes a quarterly bulletin, one of which is the annual catalog. The other three are devoted to special studies and reports of officers and other matters of importance.

Student Publications

The Campus, a weekly paper published by the Associated Student Body thru an elected staff, is an exponent of the student life and activities of the University.

Colors

The official colors of the University of Redlands are Maroon and Silver Gray.

Athletics

The University of Redlands recognizes the value of athletics in the college curriculum. Athletics is the vitalizing force of "College Spirit," and hence of value to college students in general. Athletics when properly coached and controlled, is of great value to the participant, for not only is the body developed, the eye made keener and the judgment quickened, but, if allowed so to do, the broader and finer qualities of mind and of soul, even, find expression and receive impulses and strength. Therefore athletics occupies the usual important place in the schedule.

An athletic park has recently been enclosed and a track has been put in fine condition. The track is a circular, four lap track with a two hundred and twenty yard straight away in connection.

College of Liberal Arts

ADMISSION

Every student, unless he brings a certificate of proficiency from an accredited school, shall before entering any class in the collegiate department, be examined upon the following subjects required for entrance·

In the College of Liberal Arts the University of Redlands offers courses leading to the Bachelor of Arts and the Bachelor of Science degrees with the following

FIXED ENTRANCE REQUIREMENTS

LEADING TO BACHELOR OF ARTS

(1)	English	2—4	units
(2)	Mathematics	2½	units
	History	1	unit
(3)	A Laboratory Science	1	unit
(1)	Foreign Language	2—4	units
	Elective	4½	units
	Total	15	units

LEADING TO B. S.

	English	2	units
(2)	Mathematics	2½	units
	History	1	unit
(4)	Physics	1	unit
(4)	Chemistry	1	unit
(4)	Other Sciences	1	unit
	A Foreign Language	2	units From one Language
	Elective	4½	units
	Total	15	units

(1.) For entrance to the A. B., a student must present six units in English and Foreign Language, two of these must be in English and two in Foreign Language and the other two may be in English or in Foreign Language or in both.

Students wishing to major in Ancient Languages in the College must offer four entrance units in Latin.

(2.) Any student having fifteen accepted entrance units, but only two of these in Mathematics, namely, Elementary Algebra, one unit, and Plane Geometry, one unit, will be entered as a college student, without condition, but will be required to take Mathematics C, Intermediate Algebra, four hours, and will be given three hours college credit for the completion of the course. However, this shall not reduce the total amount of work in Mathematics required for graduation.

(3.) A student offering a laboratory science other than Physics or Chemistry must elect one of these sciences in the college.

(4.) A student presenting only two of these three units, but an extra unit in either Mathematics or Foreign Language, will be entered without condition, but must elect the equivalent science course in the College, receiving therefor seven hours of college credit for the year's work. This shall not reduce the total amount of work required in these subjects for graduation.

In the list of subjects enumerated above the term unit is employed to signify the amount of preparatory work done in a given subject during a school year, the class meeting at least four hours of sixty minutes each per week.

ADMISSION BY CERTIFICATE

Graduates of approved high schools or academies will be given credit for any of the subjects listed below in which they are recommended. Blanks for such recommendation will be furnished on application to the Registrar and it is expected that all applicants for admission, without examination, will use them.

In the list of admission subjects enumerated below the term unit is understood to represent five recitations per week of fort-five minutes each, or four recitations per week of sixty minutes each thruout one school year. A detailed description of the essential subjects may be found in the printed lists of the American College entrance requirements.

1.	English, Elementary	2	units
2.	English, Advanced, (Third Year)	1	unit
3.	English, Advanced, (Fourth Year)	1	unit
4.	Algebra, Elementary	1	unit
5.	Algebra, Intermediate	½	unit
6.	Plane Geometry	1	unit
7.	Solid Geometry	½	unit
8.	Plane Trigonometry	½	unit
9.	Ancient History	1	unit
10.	Mediaeval and Modern History	1	unit
11.	English History	1	unit
12.	History and Gov't of U. S.	1	unit
13.	Economics	½-1	unit
14.	Latin, Elementary and Caesar	2	units
15.	Cicero and Latin Composition	1	unit
16.	Vergil and Latin Composition	1	unit
17.	Greek, Elementary and Xenophon	2	units

18.	Homer and Greek Composition	1	unit
19.	German, Elementary	2	units
20.	German, Intermediate	1	unit
21.	German, Advanced	1	unit
22.	French, Elementary	2	units
23.	French, Intermediate	1	unit
24.	French, Advanced	1	unit
25.	Spanish	2	units
26.	Physics	1	unit
27.	Chemistry	1	unit
28.	Botany	1	unit
29.	Zoology	1	unit
30.	Physiology	1	unit
31.	Physical Geography	1	unit
32.	General Science	1	unit
33.	Free-hand Drawing	1	unit
34.	Geometrical Drawing	1	unit
35.	Industrial Arts	½	unit
36.	Agriculture	½-1	unit
37.	Music	½-1	unit

Half units will be accepted only when presented in addition to a whole unit in the same subject or in closely allied subjects, such as economics and history, except in industrial arts, agriculture, music, etc., as indicated above.

One year of a foreign language will not be accepted until supplemented by an additional year of the same language in the Academy of the University of Redlands.

Students who can present thirteen units in the subjects required for entrance for any degree will be classified conditionally as Freshmen. But no student will be advanced to Junior standing until all entrance subjects and all the requirements of the Freshmen and Sophomore years are completely fulfilled.

ADVANCED STANDING

If a student applying for entrance to the University can present more than the fifteen units required he may be granted advanced standing in the extra studies presented, upon the recommendation of the head of the department in which such advanced credits are sought, the head of the department reserving the right to examine the applicant before making the recommendation.

Credit without examinations for work done in other institutions will be granted only upon receipt of a satisfactory certificate mailed to the University of Redlands by the proper official of the institution in which the work was done.

A student from another institution of equal scholastic rank may be admitted to advanced standing in the University upon presentation to the committee having charge of credits satisfactory evidence of having completed the work claimed, together with a certificate of honorable dismissal.

Students failing to satisfy any of the above requirements for admission may be received as "conditioned," but such conditions must be removed before said students are admitted to the Junior Class.

MATRICULATION AND REGISTRATION

On or before the designated registration days in September and February, each student must obtain from the Dean a registration blank which will indicate the courses selected for the semester. The student must then visit each professor, with whom he has selected work, and

get his signature to the registration blank issued by the Dean. Upon presentation of this statement of courses to the Registrar, he will issue to the student an enrollment card and a statement to the Treasurer setting forth the number and nature of the courses for which the student has registered. The student, within one week after registration day or at once, in case of late registration, must obtain from the Treasurer a card of admission to classes.

Students are urged to register on the designated registration days. Absences from classes are counted from the day on which instruction begins, and these absences incur the penalty stated elsewhere in the catalog.

Students enrolled for the first semester and registering for the second semester will be expected to register between Monday, January 11th and Friday, January 29th. An extra fee of one dollar ($1.00) will be charged such students whose registration is not complete on or before January 29th.

GENERAL REQUIREMENTS AND REGULATIONS

Candidates for degrees will be required to recognize the sequence of courses in selecting their work, unless excused by the Faculty.

Persons not candidates for any degree may be admitted to the University as special students, provided they are of mature age and give to the Faculty satisfactory evidence that they are properly qualified to do work creditably and with profit.

Special students may select their studies without reference to the sequence of courses, but otherwise are subject to the general regulations governing the student body. Such students may at any time become candidates for degrees by conforming to the regular requirements.

No student who has registered for regular work can change his status to that of a special without permission of the Faculty.

After registration no student will be permitted to drop a study, without the consent of the Dean, within two weeks after the beginning of the semester, nor after that time without the consent of the Faculty.

A student absenting himself from more than one-fifth of the recitations in any subject during a given semester shall be barred from examination and credit in said subject unless excused by the Faculty.

A student having three unexcused absences in any one subject is debarred from all college work until he has made satisfactory arrangement with the instructor under whom the absences were made. Two unexcused tardinesses are counted as one absence.

A student receiving a "condition," that is, a grade between 50 per cent. and 59 per cent., inclusive, in any course, may not receive credit in that course until he shall have passed another examination to the satisfaction of the instructor. Such examination must be taken before the close of the semester first following that in which the condition was received. Otherwise the

student shall be required to take the course again in regular manner when next presented.

A student withdrawing from the University before the work of any semester has been completed shall thereby forfeit all credits for that semester; but at the discretion of the instructor such student, upon returning to college, may resume a subject at the point dropped and carry it to completion.

The regular work of the student calls for fifteen hours in the class room each week. Without special permission of the Faculty no student shall take less than twelve hours nor more than eighteen.

Each student must take a final examination before receiving credit in any course, except that in the second semester a student ready to receive a degree or diploma shall not be required to take an examination in those courses in which his daily grade for that semester is 90 per cent. or above.

A fee of two dollars ($2.00) will be charged for each extra or special examination in any department of the University. Said fee must be paid in advance to the Treasurer and receipt for the same presented to the instructor by the applicant before he will be permitted to take the examination.

HONORS

Honors, as follows, will be awarded at graduation for excellence in scholarship:

"Honorable Mention" will be made of those students whose work for the entire course, just completed,

whether in Academy, College of Liberal Arts, or College of Fine Arts, averages "A," and who have not fallen below the grade of "B" in any study.

Students receiving honorable mention shall have their names enrolled upon the University records as having won such honors, and the fact shall be noted upon their diplomas, announced upon Commencement Day and published in the next annual catalog.

PRIZES

The following prizes have been offered to the students of the University for the year 1914-15 to be awarded on Commencement Day:

1. For the best oration delivered by a member of the Junior or Senior Class at their annual contest, a gold medal or $25 in cash is offered by the President of the Board of Trustees of the University, Mr. Mattison B. Jones of Los Angeles.

2. For the highest average grade in all studies, attained during the second semester by a member of the Junior Class, a prize of $10 given by Prof. J. W. Kyle.

3. For the highest average grade in all studies, attained by a member of the Sophomore Class, a prize of $10, given by Mr. Paul Moore, manager of The Redlands Daily Facts.

44. For the highest average grade in all studies, attained by a member of the Freshman Class, a prize of $10, given by Mrs. Jane Glasgow.

SCHOLARSHIPS

A number of scholarships have been endowed by friends of the University, the income derived from such funds being devoted to defraying the tuition fees in the Liberal Arts College of those students to whom the scholarships are awarded.

$1500 endows a perpetual scholarship. Where the donors do not themselves award the scholarships, it is left with the authorities of the University to assign them. Conduct and scholarship are taken into consideration in the continued assignments of scholarships to matriculated students.

Particulars regarding scholarships may be obtained by addressing the University of Redlands.

ACCREDITING

The work of the University of Redlands will be accepted by the University of California or Leland Stanford, Jr., University for admission to Sophomore, Junior, Senior or Graduate standing.

STUDENT HELP

A number of students are employed in the buildings and about the Campus to assist them in defraying a part of their expenses.

Often citizens of Redlands apply to the University for student help in exchange for room rent and board, or for other compensation. The University is glad to be able to thus help students and for that purpose keeps on file a list of such applications.

Inquiries regarding this matter should be addressed to the University of Redlands.

DORMITORIES, ROOM AND BOARD

In the Bekins Hall for women and the Reavis Hall for men accommodation is provided for a limited number of students. Thoroly competent matrons in charge of the dormitories give assurance of adequate control. In both the halls it will be the purpose of the administration to approximate the home life as closely as possible.

Students unable to secure accommodations in the halls or desirous of securing rooms and board elsewhere, may obtain from the University of Redlands a list of approved locations. Students will be permitted to room only in places approved by the Faculty.

For cost of rooms and board see Expenses.

EXPENSES

It is believed that the expenses at this institution are as low as is consistent with the high character of the work done. The following schedule will serve to indicate the principal items:

Tuition per semester, payable in advance:

College of Liberal Arts	$48.00
Academy	36.00

Matriculation Fee:

College of Liberal Arts, and Fine Arts	$ 5.00
Academy	3.00

Registration Fee per semester:

College of Liberal Arts	$ 2.00
Academy	1.50

Laboratory Fees:

College Chemistry, for each course, per semester .....$ 8.00

Academy Chemistry for each course per semester .....$ 5.00

College course in Biology, per semester .....$ 1.00

A deposit of five dollars ($5.00) is required in Chemistry to cover breakage. This deposit, less cost of breakage, is refunded at the end of the year.

College Physics, for each course, per semester .....$ 5.00

Academy Physics, for each course, per semester .....$ 3.00

No breakage deposit is required in Physics, but an account is kept of all breakages and a charge is made therefor.

Students carrying not more than five hours of work will be charged one-third of the regular tuition fee; those carrying from six to ten hours inclusive, will be charged two-thirds of the regular fee, and those carrying more than ten hours will pay the full fee.

Students preparing for the ministry and children of ministers and missionaries will be granted a discount of 50 per cent. in tuition fees for regular work in the Academy and the College of Liberal Arts.

Special attention is called to the fact that the charge for tuition includes gymnasium, library, graduation and

all incidental fees other than the matriculation or registration fees, and those connected with the laboratory work.

No student may attend classes for more than one week after the regular registration day without having made satisfactory arrangements with the treasurer concerning all monies due the University.

DORMITORY EXPENSES

The larger number of the dormitory rooms are arranged for two in a room, being furnished with two beds and in some of the rooms two closets.

The beds are single and provided with mattresses 6 ft. 2 in., by 3 ft., and pillows 23 by 30 inches.

Each student is expected to furnish bed covers, linen and towels.

Rooms and Board at the Dormitories:

Two in a room, per month .....$27 each

Two in room with private bath, per month $30 each

When paid by the semester in advance, $105 and $115 respectively. Of this sum $20 per month is reckoned for the board and the balance as room rental. In case a student desires to room alone in one of the double rooms, a half more will be added to the room rental.

The dormitories will be closed during the Christmas and the spring vacations unless a number of students desire to remain, in which case those students paying the semester rate will be charged an additional fee for their accommodations during these periods.

The necessary expenses, including room, board, tuition, books and laundry, will average about $350 or $375 for the year.

Rooms in the dormitory may be reserved at any time for 1915-16 by a deposit of five dollars with the University. This deposit will be deducted from the charges of the first month.

LIBRARY

The library of 7400 volumes and several thousand unbound magazines and pamphlets, contains especially well selected works on all subjects included in the curriculum. This number includes about 3000 volumes received as a permanent loan from California College, Oakland, Cal.

Many valuable books and sets have been given by generous friends of the University.

Moreover, through the courtesy of the A. K. Smiley Public Library of Redlands, with 27,427 volumes, the University Library is a depository, thruout the college year, for such books as the different departments may from time to time require.

A music library, largely a loan from the private library of Dean Hubach, is maintained in the Fine Arts building.

REQUIREMENTS FOR GRADUATION

No student shall be permitted to graduate from the University who has not credit for at least 120 hours and two years of physical education and who has not taken at least one year of the regular work at the University.

The required work leading to the different degrees is as follows:

BACHELOR OF SCIENCE

English	9 hours
Mathematics	12 hours
History	6 hours
Sociology	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Modern Languages	12 hours
Physics	8 hours
Chemistry	8 hours
Other Science	6 hours
Total required	73 hours
Electives	47 hours
Total	120 hours

Bachelor of Arts

(2)	English	6-12 hours
	Mathematics	6 hours
(3)	History	6-10 hours
	Sociology	3 hours
	Ethics	3 hours
	Christian Evidences	2 hours
	Psychology	4 hours
	Science	8 hours
	Foreign Languages	6 hours
	Total required	62—72
	Electives	58—48
	Total	120

In addition to the above requirements for the A. B. degree the student must choose at least eighteen hours from one of the following departments: Ancient Languages, English, History, Political and Social Science, Philosophy or a Modern Language. If in a Modern Language the eighteen hours must be in addition to Courses I and II in these departments. Greek A, B, C, and D (see Academy Courses) cannot be counted as a part of the required eighteen hours in Ancient Languages.

(2) Students who offer fewer than four entrance units in English, will be required to take twelve college hours in that subject.

(3.) Students who offer fewer than two entrance units in History, will be required to take ten college hours in that subject.

GRADUATE WORK

The secondary degrees of A. M. and M. S. will be awarded for one year's residence work in addition to that required for the degrees of A. B. or B. S. A candidate for the Master's degree shall select a major department in which he must do two-thirds of his work under the direction of the professor in charge of that department. The remaining one-third of the work required shall be taken in some other department or in not more than two others. Upon the completion of the year's study the candidate must pass an examination upon the subjects taken, such examination to be written, or written and oral, conducted by the instructors in the departments in which the candidate has taken his work and a visiting professor chosen from some other department by the President.

In addition to the resident work and the examination, as above indicated, the candidate shall prepare a thesis representing the results of original investigation on some subject suggested by the professor in charge of the major department. This thesis must conform to definite regulations, show independent investigation and be clothed in such language as will demonstrate the candidate's ability to properly handle such material.

Departments of Instruction

BIBLICAL STUDIES

Herbert E. Wise,

Crawford Professor of English Bible and Cognate Studies

I. A study of the life of Christ. The course treats of the historical situation and sources of knowledge together with the religious development and characteristic teachings of Jesus.
Elective to Freshmen and Sophomores.
Two hours per week, first semester.

*II. An introduction to the books of the New Testament. Due consideration will be given to the characteristic features of the individual books and their mutual relations; special emphasis, however, will be given to the life and labors of the apostle Paul.
Elective to Freshmen and Sophomores.
Two hours per week, second semester.

*III A study of the Social and Ethical Teachings of Jesus and their application to modern life.
Elective to Juniors and Seniors.
Two hours per week, first semester.

IV. A study of select portions of the Old Testament, embracing its historical development, prophetic messages, and poetical literature.
Elective to Juniors and Seniors.
Two hours per week, second semester.

* Omitted in 1915-16.

BIOLOGY

Geo. Robertson, Professor

I. General Botany

The study will cover a general course in plant life, including lectures, recitations, laboratory and field work. The local flora is very rich in native and cultivated plants, suitable for study every month of the year. The work will be pursued along these lines (a) Morphologial (especially the hystological phase), (b) Physiological, and (c) special Botany, a study of local flora, conditions of plant development, and a knowledge of the economic value of California plants.

Elective.

Three hours and one laboratory period of two hours per week, first semester.

II. General Botany

Continuation of Biology I.

Elective

Three hours and one laboratory period of two hours per week, second semester.

III. General Zoology

A study of invertebrate animal life, the structure, development, classification and distribution.

Elective.

Three hours and one laboratory period of two hours per week, first semester.

IV. General Zoology

Continuation of Biology III.

A study of vertebrate animal life; the morphology, development, physiology, classification, distribution and economic value. Especial attention is given to human physiology.

Elective.

Three hours and one laboratory period of two hours per week, second semester.

CHEMISTRY

S. Guy Jones, Professor

I. Qualitative Analysis

An advanced course in general and theoretical chemistry, accompanied by a laboratory course in qualitative analysis. Determination of the composition of natural and commercial products.

Two recitations and two laboratory periods per week, first semester.

II. Qualitative Analysis

Continuation of Chemistry I.

Two recitations and two laboratory periods per week, second semester.

III. Quantitative Analysis

General methods of Gravimetric Analysis. Prerequisite, Chemistry I and II.

Laboratory work three periods per week, first semester.

IV. Quantitative Analysis

Continuation of Chemistry III. Gravimetric and Volumetric Analysis.

Laboratory work three periods per week, second semester.

V. Organic Chemistry

A study of the compounds of Carbon.

Prerequisite, Chemistry I and II.

Two recitations and two laboratory periods per week, first semester.

VI. Organic Chemistry

Continuation of Chemistry V.

Two recitations and two laboratory periods per week, second semester.

VII. Advanced Quantitative Analysis

An advanced course in quantitative manipulations and determinations. The aim of the course is to obtain skill in quantitative manipulation and a knowledge of methods which will enable the student to quickly and easily become proficient in any of the several lines of quantitative analytical Chemistry.

Prerequisite, Chemistry 1-IV.

Four laboratory periods per week, first semester.

VIII. Advanced Quantitative Analysis

Continuation of Chemistry VII.

Four laboratory periods per week, second semester.

IX. Inorganic Preparations

Study of the accepted methods of preparing the principal inorganic compounds.
Prerequisite, Chemistry I and II.
Three laboratory periods per week, first semester.

X. Blow-Pipe Analysis

A laboratory course in qualitative blow-pipe analysis.
Prerequisite, Chemistry I and II.
Three laboratory periods per week, second semester.

ENGINEERING

Herbert E. Marsh, Professor

I. Mechanical Drawing

Use and care of drawing instruments, free-hand and mechanical lettering, exercises in projection and simple drawing.
Prerequisite, Mathematics A and B.
Two drawing periods per week, first semester.

II. Continuation of I.

Drawing accurately to scale plans, elevations, and sections from student's own measurements and free-hand sketches of simple machine parts; plan and elevation of some building measured by students.
Prerequisite Engineering I.
Two drawing periods per week, second semester.

III. Surveying

The use, care and adjustment of the Surveyor's instruments. Field work; chain and tape surveying, transit surveys, leveling, curves, etc.
Prerequisite, Mathematics II and III.
One recitation and two field periods per week, second semester.

IV. Graphic Statistics

A study of methods of representng forces graphically and the application of the same in the determination of stress in structures.
Elective for Juniors and Seniors.
Prerequisite, Physics I and Mathematics I-III.
Recitation two hours and one drawing period per week, second semester.

V. Applied Mechanics

A study of mechanics of materials including elastic and ultimate strength, and elastic ultimate deformations, cases of simple stress, theory of beams, columns, and shafts; also a study of the principles of reinforced concrete and their application in various structures.
Elective for Juniors and Seniors.
Prerequisite, Physics I and Mathematics I-VI.
Three recitations and one laboratory period per week, first semester.

ENGLISH

Egbert Ray Nichols, Professor

Mary Louise Todd, Associate Professor

From six to twelve units of English are required of A. B., and nine of B. S. students, the first six of which must be courses I. and II., which are prerequisites to all others except VII., XXI., and XXIII., and XXIV. English VII is required of all Freshmen presenting less than four years of high school English for college entrance. Eighteen hours in addition to the six in courses I. and II. are required of students majoring in English.

The aim of the English department is threefold: (1) to train the students in the art of self-expression or English Composition, written and oral; (2) to give the student definite knowledge of the greater writers of English literature; and, (3) to enable the student to appreciate and estimate in a measure by the higher standards of criticism the value and wealth of English literature.

The work of the department has been grouped under three heads. This division of the department is the logical and natural one of (A) Courses in Composition, (B) Courses in English Literature, and (C) Courses in Public Speaking. The courses in Divisions A and C are given by Professor Nichols. Miss Todd assists with the courses in Division B.

A.—Courses in Composition

I. Freshmen Rhetoric and Composition

A study of composition, oral and written, with regular practice in writing and speaking. Text—Linn's "Essentials of English Composition."

Required of all Freshmen.

Three hours a week, first semester.

II. Freshmen Rhetoric and Composition

Continuation of Course I.

Required of all Freshmen.

Three hours a week, second semester.

III. Advanced Composition, and Modern Literature

(a) A course in composition designed for those who wish to continue writing work beyond the Freshman year. A regular schedule of writing is followed. Longer themes are required and more attention is given to criticism than in English I. and II. English III. and IV. may be taken two years with full credit for each year. Modern literature is studied in this course regularly for a part of each week, course (b) being given with (a) one year and course (c) the following year.

Three hours, first semester.

*(b) The Short-story.

An outline study of the masterpieces of short prose fiction following a biographical, historical, or type classification. Collateral reading and oral reports on modern short-story writers required.

*(c) Modern Published Drama.

An outline study of contemporary drama as found in the published works of various dramatists, following a comparative literature, biographical, or type classification. Collateral reading and reports. Course (c) is designed to alternate with course (b).

IV. Advanced Composition and Modern Literature

(a) A continuation of (a) as outlined in English III.

Three hours a week, second semester.

(b) The Essay

An outline study of the essay and "article" in contemporary writing, following a biographical or type classification. Collateral reading and reports.

(c) A continuation of (c) as outlined in English III. Course (c) is designed to alternate with course (b) as in English III.

V. Journalism.

An elementary course in newspaper writing, including a study of reporting, editorial writing, features, advertising, etc. Two hours, first semester.

B—COURSES IN ENGLISH LITERATURE.

VII. History of English Literature.

A general outline course in English literature from Beowulf to the year 1900. Text—Crawshaw's "The Making of English Literature."

Required as a prerequisite to all courses in English

Literature. Also required of Freshmen not presenting four years of high school English for college entrance. Associate Professor Todd.
Three hours a week, first semester.

VIII. Outlines of American Literature.

A study of the history and development of American literature with especial attention to the New England school.
Elective, designed to follow Course VII.
Three hours a week, second semester.
Associate Professor Todd.

IX. Shakespeare and the Elizabethan Age.

(a) An intensive study of three plays of Shakespeare including Hamlet or Othello.

(b) A reading course in pre-Shakespearian drama, and in Shakespeare's plays up to the year 1600. A chronological order is followed. Collateral reading on the life of Shakespeare and his time.
Three hours, first semester.

X. Shakespeare and the Elizabethan Age

(a) As in English IX.
(b) A reading course in Shakespeare's contemporaries and in Shakespeare's plays subsequent to to the year 1600. A chronological order is followed. Thesis required.
Three hours, second semester.

XI. THE AGE OF MILTON AND DRYDEN.

A survey of the life and writings of Milton and of Dryden, with special study of the more important works. Outside reading in the Restoration period.
Two hours per week, first semester.

XII. CHAUCER AND SPENCER.

A survey of the life and writings of Chaucer and Spenser with special study of the Canterbury Tales and the Faerie Queene.
Two hours a week, second semester.

!XIII. NINETEENTH CENTURY POETS.

Study of the rise of Romanticism and the work of Wordsworth, Coleridge, Byron, Shelley, and Keats.
Designed to alternate with Course XV.
Three hours a week, first semester.

!XIV. NINETEENTH CENTURY POETS.

Study of the life and writings of Tennyson and of Browning.
Three hours a week, second semester.

*XV. NINETEENTH CENTURY PROSE.

Study of the Essayists of the Victorian and pre-Victorian periods, including Lamb, DeQuincey, Carlyle and Ruskin.
Given in alternate years.
Three hours a week, first semester.

*XVI. The English Novel.

A study of the rise and development of the English novel, of its technique, and of the lives and times of the more important novelists. Collateral reading and reports required.

Three hours a week, second semester.

XVIII. The Bible as Literature. (Offered conditionally.)

A course designed to give the student some knowledge of the various literary forms found in the Bible with special study of the poetic books, particularly of the Book of Job. Thesis required.

Three hours, second semester.

C.—COURSES IN PUBLIC SPEAKING.

XXI. Argumentation and Debate.

A study of the principles of debating, with exercises in brief drawing, writing speeches, and class debates.

Elective for Freshmen as well as upper classmen and should be taken by those desiring to enter Intercollegiate Debates.

Two hours a week—i. e. consecutive hours—first semester.

XXIII. ORATORY AND PUBLIC SPEAKING.

A course in the principles and technique of the oration, with special attention to the college oration. Also practice in speaking—extempore and committed work—i. e. elementary training in expression. Elective for Freshmen as well as upper classmen. Two hours, first semester.

XXIV. ORATORY AND PUBLIC SPEAKING.

A course in the literature of oratory, with practice in extempore and committed work. Continues course XXIII in expression. Elective for Freshmen as well as upper classmen.

Two hours a week, second semester.

! Given in 1915-16 and alternate years.
*Given in 1916-17 and alternate years.

FORESTRY

Geo. Robertson, Professor

I. FORESTRY

The study will cover our local national forests, trees, chaparral, herbs, street trees and conservation of forest cover and of water. The course will deal with rock and soil structure, national forests in general, their purpose, use, protection and management, California conditions especially considered.

Biology I and II are desirable prerequisites.
Elective.

Three hours per week, second semester.

FRENCH

Edith A. Hill, Professor

I. First Year French

Special attention to pronunciation, writing and reading. Daily practice in the phonetic markings of all new words as they occur. Fraser and Squair's French Grammar is used. Texts suitable for the grade of work required will be read.
Four hours per week, first semester.

II. Continuation of French I
I. and II. continuous course.
Four hours per week, second semester.

III. Second Year French
Rapid review of grammar. Considerable opportunity is given for speaking the language, as but little English is used in the class room. Plays, novels and short stories of some of the greatest modern writers will be studied during the year.
Three hours per week, first semester.

IV. Continuation of French III.
Three hours per week, second semester.

V. French Literature of the 19th Century
A lecture and reading course. Conducted entirely in French. Hugo, Sand, Souvestre, Feuillet, Chateaubriand will be studied.
Three hours per week, first semester.

VI. French Literature
Continuation of French V.
Three hours per week, second semester.

VII. Conversation Course
Facts of daily life discussed. Designed to train students to speak and write the language with some facility.
Two hours per week, first semester.

VIII. Conversation Course
Continuation of French VII.
Two hours per week, second semester.

IX. French—17th Century Poetry
Lecture course and reading. The principal authors of the classical period, Corneille, Moliere, Racine, La Fontaine, Le Sage, Boileau, etc., will be studied.
Three hours per week, first semester.

X. French—17th Century Prose
Continuation of French IX.
Three hours per week, second semester.

GEOLOGY

Geo. Robertson, Professor

I. General Geology
Lectures, recitations, laboratory and field work. The study will include the salient and economic features of the science, giving a systematic and comprehensive knowledge of the most important teachings of

Geology. The course will cover (a) Dynamical, (b) Structural and (c) Historical Geology. Attention will be given to the Petrology and Crystalography of the common rocks and minerals.

Prerequisite, Biology I-IV.

Elective.

Three hours and one laboratory period of two hours per week, first semester.

II. General Geology

Continuation of Geology I.

Elective.

Three hours and one laboratory period of two hours per week, second semester.

GERMAN

Edith A. Hill, Professor

I. First Year German

Systematic training in simple conversation, narration and the elements of German grammar. Texts suitable for the work of the first year will be read.

Four hours per week, first semester.

II. First Year German

Continuation of German I.

I. and II. continuous course.

Four hours per week, second semester.

III. Second Year German

Composition and conversation. Reading of Lessing. Goethe and Schiller.

Three hours per week, first semester.

IV. Second Year German

Continuation of German III.
Three hours per week, second semester.

V. Third Year German

The German Novel. Sheffel's Ekkehard, Freytag's Soll und Haben. Sudermann's Frau Sorge, Hoffmann's Das Fraulein von Scuderie, and others. Reading and discussion.
Three hours per week, first semester.

VI. Third Year German

The German Novel. Continuation of German V.
Three hours per week, second semester.

VII. Faust, Parts One and Two.

Careful study of poetry and unity.
Three hours per week, first semester.

VIII. Faust

Continuation of German VII.

IX. German Literature

History of German Literature of 12th, 14th and 18th centuries, using Wells, Francke and Robertson as references.
Three hours per week, first semester.

X. German Literature

Continuation of German IX.
Three hours per week, second semester.

XI. CONVERSATION COURSE

A course in conversation, composition and sight reading.

Two hours per week, first semester.

XII. CONVERSATION COURSE

Continuation of German XI.

Two hours per week, second semester.

GREEK

James W. Kyle, Professor

I. LYSIAS: SELECTED ORATIONS

Exercises in recomposition of the text. Analysis of style of Lysias. Lectures on the Greek orators.

Three hours per week, first semester.

II. HOMER: ILIAD, SELECTIONS

Study of forms from text and from Sterrett's Dialect of Homer. Metrical reading of the Greek. Lectures on the Homeric Poems as literature.

Three hours per week, second semester.

III. LUCIAN: SELECTED DIALOGUES

Exercises in recomposition. Required reading of other dialogues in translation. Lectures on the Greek rhetoricians.

Three hours per week, first semester.

IV. PLATO: APOLOGY, CRITO AND PART OF THE PHAEDO

Discussion of the life and teachings of Socrates. Reading and reviews of the Gorgias, Symposium and Republic in Jowett's translation.

Three hours per week, second semester.

V. EURIPIDES: IPHIGENEIA IN TAURIS; ARISTOPHANES: CLOUDS

Discussion of the plot and characters. Lectures on the Greek theatre. Study of the various metres and exercises in metrical reading.
Three hours per week, first semester.

VI. DEMOSTHENES: ORATION ON THE CROWN

Analysis of the style of Demosthenes. Supplemented by reading from Dionysius and select passages from Hyperides, Isaeus, Aeschines and Isocrates.
Three hours per week, second semester.

VII. GREEK LITERATURE IN ENGLISH

Lectures on the history of Greek Literature accompanied by class work in Wright's Manual. Required reading of three Greek authors per semester in the best translations, with critical review of each. The power to criticise independently and appreciate reasonably a work of literary art is sought in this course as well as some direct and personal acquaintances with the literature of Greece.
Elective.
Three hours per week, first semester.

VIII. GREEK LITERATURE IN ENGLISH

Continuation of Greek VII.
Elective.
Three hours per week, second semester.

IX. Modern Greek

A Practical Method by Rangabe will be used as a guide. Part of each hour will be given to conversation in Modern Greek.

Three hours per week, first semester.

Elective. May be substituted for Greek I.

X. Modern Greek

Continuation of Greek IX. A magazine published at Athens will be taken by each member of the class. Short stories by present day writers will be read. Conversation on current topics continued.

Three hours per week, second semester.

Elective. May be substituted for Greek III.

Note—For the present the courses in elementary Greek and Xenophon's Anabasis, if taken in this institution, will receive college credit as electives, at the rate of three hours per semester.

HISTORY

A. Harvey Collins, Professor

I. General Mediaeval

A survey of the leading events in European History from about 476 to 1500 A. D., with special reference to the development of the great institutions both of Church and State. Text, lectures, collateral readings, preparation of maps and papers.

Required of Sophomores.

Three hours per week, first semester.

II. Modern Europe

The history of Modern Europe from 1500 to 1815. The text is supplemented by collateral reading, special reports and maps. Open to students who have had History I or equivalent.

Required of Sophomores.

Three hours per week, second semester.

III. American Colonial History

A study of early American history to 1783. Lectures on the discovery, exploration, founding and development of the English Colonies. An intensive study of the causes and results of the American Revolution. Lectures, text, papers, maps.

Open to all students.

Two hours per week, first semester.

IV. American Expansion

Expansion of the American people, along territorial, social and industrial lines. Text and lectures with much collateral reading and preparation of papers and maps.

Open to all students.

Two hours per week, second semester.

V. History of the United States

Designed to show the growth of the American National Government by a study of the political, social and institutional development of the United States 1783-1850. Lectures, reports, investigations and comparisons.

Primarily for advanced students.

Three hours per week, first semester.

VI. History of the United States

Continuation of History V 1850-1916.

Special emphasis will be laid on the causes of the Civil War, Reconstruction, and the institutional and political development since 1875.

Three hours per week, second semester.

VII. English History

This course is planned so as to cover the principal features of English History to 1603. Special attention will be paid to the constitutional phases. Text, A History of Great Britain—Tout.

Open to all students. Especially planned for Freshmen.

Three hours per week, first semester.

VIII. English History

Continuation of History VII to the present time. Special attention is paid to the constitutional phases and to England's colonial policy and expansion. Text, A History of Great Britain—Tout.

Open to all students. Especially planned for Freshmen.

Three hours per week, second semester.

IX. History of the Pacific Slope

A special lecture course from syllabus, together with investigations and reports.

Elective.

One or two hours per week, second semester.

X. History of the Pacific Slope
Continuation of History IX. Elective.
One or two hours per week, second semester.

XI. The Reformation
A detail study of the Protestant Reformation. An attempt will be made to discover the causes leading to the movement and the immediate and ultimate results, as well as to trace the current of events.
Prerequisite, History I and II or VII and VIII.
Elective.
Three hours per week, first semester.

XII. International Relations
This course is designed to familiarize the student with the more important diplomatic questions that have presented themselves to our own statesmen. Special attention will be given to American Diplomacy.
Open to Juniors and Seniors. Elective.
Three hours per week, second semester.

XIII. Nineteenth Century Europe
Beginning with the general peace secured by the Congress of Vienna this course deals with the new political, social and international problems that characterize the nineteenth and the beginning of the twentieth centuries.
Prerequisite, History I and II or VII and VIII.
Elective.
Three hours per week, first semester.

XIV. History of South America

A study of the political, institutional and industrial development of Latin America. Special attention will be given to the inter-relationship of the two Americas.
Elective.
Three hours per week, second semester.

Note—Any elective course in history may be withdrawn if not elected by a sufficient number.

HISTORY OF ART

Kate Watkins, Head of Art Department

I. Architecture

Ancient and Mediæval Architecture.
Renaissance and Modern Architecture.
Elective.
Two hours per week, first semester.

II. Sculpture

Ancient and Modern.
Elective.
Two hours per week, second semester.

III. Painting

Early painting and Renaissance.
Elective.
Two hours per week, first semester.

IV. Painting

Modern.
Elective.
Two hours per week, second semester.
Lecture courses, supplemented by collateral reading and picture study.

HISTORY OF MUSIC

Flora C. Cook, Instructor

Illustrated Lecture Course

I. History of Music

Music and the Jews. Music and the Greeks. Effect of the music of the Infidels on Christianity. The Troubadours and Minnesingers. Conquest of Constantinople. Music at the time of the Renaissance. The Florentine "Camerata." Effect of Christianity upon the Arts. Roman Catholic versus Protestant Music. Birth of Modern Music.

Text book: Fillmore's History of Music.

Required of Sophomores for degree of Mus. Bac.

Two hours per week. First semester.

II. Continuation of History of Music I.

The Early Classical School: Sacred, Palastrina; Secular, Alessandro Scarlatti. The Middle Classical School: Haydn, Mozart. The Modern Classical School: Rossini, Donizetti, Verdi and others. Mixed Classical Romantic School: Beethoven, Mendelssohn and others. Romantic School: Schuman, Schubert and Modern Italians. Later Modern School: Wagner, Richard Strauss, Debussy, Puccini and others.

Text book: Same as for History of Music I.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, second semester.

ITALIAN

Mrs. Elizabeth May Rodrigues, Instructor

I. First Year Italian

Systematic training in simple conversation, reading and writing. Translation from Italian into English. Regular verbs and Elementary Grammar. Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, first semester.

II. First Year Italian

Continuation of Italian I.

Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, second semester.

III. Second Year Italian

Composition and conversation. Reading of De Amicis and other comprehensive authors.

Irregular verbs. Grammar drill.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

IV. Second Year Italian

Continuation of Italian III.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

V. Third Year Italian

Continuation of Italian IV.

Italian Short Stories by approved authors. Translation from English into Italian.

Elective to Juniors for degree of Mus. Bac. in Voice. Three hours per week, first semester.

VI. Third Year Italian

Continuation of Italian V.

Italian Lyrics, especially Petrarcha.

Elective to Juniors for degree of Mus. Bac. in Voice. Three hours per week, second semester.

VII. Fourth Year Italian

Reading of Dante and other standard Italian Literature.

Elective to Seniors for degree of Mus. Bac. in Voice. Three hours per week, first semester.

VIII. Fourth Year Italian

Continuation of Italian VII. General Italian Literature.

Elective to Seniors for degree of Mus. Bac. in Voice. Three hours per week, second semester.

LATIN

James W. Kyle, Professor

I. Cicero: De Senectute and De Amicitia

Review of forms and syntax. Discussion of the life and thought of Cicero and the sources of his philosophy.

Three hours per week, first semester.

II. HORACE: SELECTIONS FROM ODES, SATIRES AND EPISTLES

Will be read metrically to secure ease and fluency in the Latin. Parallel passages from Greek and English poets. Discussion of the spirit and art of Horace.

Three hours per week, second semester.

III. LIVY: SELECTIONS FROM BOOKS I., XXI. AND XXII.

Lectures on the history of Rome. Discussion of the style and rhetorical methods of Livy.

Three hours per week, first semester.

IV. TACITUS: ANNALS

Systematic study of the style of Tacitus. Comparison with Livy and Thucydides. Lectures on the life and times of Tacitus.

Three hours per week, second semester.

V. PLAUTUS: CAPTIVI, TRINUMMUS AND RUDENS; TERENCE: ANDRIA.

Metrical reading. Lectures on Latin Comedy and the Greek Theatre.

Three hours per week, first semester.

VI. LUCRETIUS; CATULLUS; TIBULLUS; SELECTIONS

Metrical reading, lectures and critical essays on the Latin poets.

Three hours per week, second semester.

MATHEMATICS AND ASTRONOMY

Victor L. Duke, Professor

I. Solid Geometry

The fundamental propositions of Solid and Spherical Geometry with many original exercises applied especially to the mensuration of solids.

Prerequisite, one unit of Algebra and one unit of Plane Geometry.

Three hours per week, first semester.

(This course is parallel to Mathematics D, Academy and for the year 1915-16 they will be combined.)

II. Trigonometry

Analytic Trigonometry, the proof and applications of the fundamental relations among the functions of angles. Practical Trigonometry, the solution of the plane triangle, measurements of heights and distances, sufficient of Spherical Trignometry to determine the spherical triangle.

Prerequisite, Algebra, one and one-half units; Plane Geometry, one unit.

Three hours per week, second semester.

III. College Algebra

Rapid review of the Theory of Quadratic Equations. Permutations and Combinations, Series, Logarithms, Determinants and elementary Theory of Equations.

Prerequisite one and one-half units of Algebra and one unit of Plane Geometry.

Three hours per week, first semester.

IV. Elements of Analytical Geometry

A study of the point, the line and the circle, with some of the more important and elementary theorems on the conic sections.
Prerequisite, same as for Math. III plus Math. II.
Three hours per week, second semester.

V. Differential Calculus

Fundamental formulae and processes of differentiation and an insight into the powerful factor which this subject is in modern scientific research.
Prerequisite, Mathematics I-IV.
Three hours per week, first semester.

VI. Integral Calculus

A study of the processes of integration and their application to physical and mechanical problems.
Prerequisite, Mathematics I-V.
Three hours per week, second semester.

VII. Descriptive and General Astronomy

A study of the heavenly bodies, their constitution, laws of motion, physical properties and the processes by which man discovers these facts.
Prerequisite, Mathematics II.
Three hours per week, first semester.

VIII. Descriptive and General Astronomy

Continuation of Mathematics VII.
Three hours per week, second semester.

IX. Advanced Analytical Geometry

A more detailed study of the properties of the conic section; some insight into the study of higher plane curves. Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

X. Advanced Analytical Geometry

Continuation of Mathematics IX.
Two hours per week, second semester.

XI. Advanced Theories of Equations

Equations of higher degrees symmetric functions of roots, determinants of higher orders.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XII. Advanced Theory of Equations

Continuation of Mathematics XI.
Two hours per week, second semester.

XIII. Differential Equations

Principles involved in the solution of such equations and the applications of this branch of Mathematics to Mechanics.
Prerequisite, Mathematics I-VI.
Three hours per week, first semester.

XIV. Differential Equations

Continuation of Mathematics XIII.
Three hours per week, second semester.

XV. Advanced Integral Calculus

Special attention will be given to the definite integral and to elliptic integrals.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XVI. Advanced Integral Calculus

Continuation of Mathematics XV.
Two hours per week, second semester.

PHILOSOPHY AND EDUCATION

Herbert E. Wise, Professor

1. Psychology

An introduction to the general field of Psychology dealing with the more fundamental processes and supplemented by collateral reading and individual inquiry.
Required. Open to Juniors.
Four hours per week, first semester.

II. Ethics

The course relates to the rise of ethical theory, and deals with the problem of a moral standard.
Required of Seniors.
Three hours per week, second semester.

III. Christian Evidences

In dealing with Christianity as the fundamental postulate in a philosophy of life, the student is introduced

to the basic elements of Christian belief. Due attention is given to Anti-Theistic theories.
Required of Seniors.
Two hours per week, first semester.

IV (a) History of Education
The development of educational theory, showing its Social and Individual aims, is traced through Ancient, Mediæval and Modern periods.
Three hours per week, second semester.
Open to Juniors.

IV (b) Principles of Education
The purpose of this course is to outline the distinguishing aspects of the educative process, particularly the biological, psychological, sociological and religious.
Prerequisite I. Open to Juniors.
Three hours per week, second semester.

V. Logic
The general principles of deductive and inductive logic are studies with the purpose of applying them, whenever possible, to practical problems.
Open to Sophomores.
Three hours per week, first semester.

VI (a) Psychology of Christian Experience
Relation of Biblical to Modern Psychology. Consideration of New Testament Psychological terms and experiences. Open to Juniors. Two hours per week, second semester. Prerequisite I.

VI (b) Comparative Religions

This course is designed for those intending to engage in Christian service upon the Foreign field. It treats of religious phenomena, their diversities of expression and theoretic interpretation.

Open to Juniors.

Two hours per week, second semester.

VII. Introduction to Philosophy

This course affords a survey of the scope of Philosophic enquiry, both in its historical and interpretive aspects.

Open to Juniors.

Three hours per week, first semester.

VIII (a) History of Ethics

A concise yet comprehensive survey of Greek, Greco-Roman, Christian, Mediæval and Modern Ethics.

Open to Juniors.

Two hours per week, second semester.

VIII (b) Philosophy of Kant

The course traces the rise and development of the Kantian system, emphasizes its characteristic principles and indicates Kant's influence upon modern thought.

Open to Junors. Pre-requisite VII.

Two hours per week, second semester.

IX. History of Philosophy

The chief systems of human thought are traced through Ancient, Mediæval and Modern periods. Special studies supplement the text at historic epochs.

Three hours per week, first semester.
Open to Seniors.

X. History of Philosophy, Continued.

The ruling ideas in modern philosophic thought are viewed critically, while select reading from representative authors affords an opportunity for the construction of a definite and comprehensive philosophy of life.

Three hours per week, second semester.
Open to Seniors.

Note 1.—Of the 18 hours required for A. B. (Phil.), in addition to I, II, and III, six may be selected from courses IV, VI, and VIII.

Note 2.—Courses (a) and (b) of IV, VI, and VIII, are given in alternate years. Those of (b) are omitted in 1915-16.

PHYSICS

Herbert E. Marsh, Professor

I. Mechanics, Molecular Physics and Heat

Although the grasping of principles and not skill in manipulation is strongly emphasized, still the fixing power of laboratory application is recognized. The purpose is to give the student an in-

sight into the real significance of physical things, by putting him in touch with the methods and instruments of modern physical investigation and by carrying him through the process of reasoning by which the present science of physics has been developed. Required of candidates for B. S. Degree in Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Prerequisite, one year of entrance Physics and Mathematics II and IV.

Recitation and lectures two hours and two laboratory periods per week, first semester.

II. Sound, Light, Electricity and Magnetism

Continuation of Physics III. Presented in a similar manner and with the same aim.

Required of candidates for B. S. Degree in the Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Recitation and lectures two hours and two laboratory periods per week, second semester.

III. Electrical Measurements

Various methods for exact determination of voltage, resistance, and current; also study and calibration of various types of galvanometers, voltmeters, ammeters, condensers, etc.

Elective for Juniors and Seniors.

One recitation and three laboratory periods per week, first semester.

POLITICAL AND SOCIAL SCIENCE

H. C. Tilton, Professor

I. Introduction to Sociology

A study of the origin and development of the family and the evolution of certain social institutions. Modern social problems such as divorce, immigration, pauperism, socialism, etc., will receive due attention.

Three hours per week, first semester.

Required of Sophomores.

II. Principles of Sociology

An analysis of social life and the forces producing social organization; application of principles to concrete problems. Text, lectures and reports.

Three hours per week, second semester.

Prerequisite Psychology and Course I.

III. Introduction to Economics

The development and significance of the characteristic features of economic life, the principles governing production, distribution and consumption, and the practical economic problems of modern life.

Three hours per week, first semester.

Open to Sophomores and Juniors.

IV. Introduction to Economics

Continuation of III.

Three hours per week, second semester.

Open to Sophomores and Juniors.

V. Government

A discussion of the essential constituent elements of the state; of the functions and sphere of the state; of citizenship and nationality; of constitutions, their nature sources and kinds; of the more important theories concerning the origin, nature, functions and organizations of the state.

Three hours per week, first semester.

Open to Juniors and Seniors.

VI. Municipal Government

Mainly a study of the modern American city will be made. The historical and comparative method will be used as examination is made of the government and experiences of European cities.

Three hours per week, second semester.

Open to Juniors.

VII. European Governments

A comparative study of the political institutions of the leading states of Europe.

Three hours per week, first semester.

Open to Sophomores and Juniors.

VIII. United States Government and Politics

The organization of state and national governments, their actual working and the history and function of political parties.

Three hours per week, second semester.

Open to Sophomores.

IX. International Law

A study of the general principles governing nations in their intercourse with each other, such as rules of peace and war, diplomatic usage and methods of arbitration. Special study of the Hague conferences.
Three hours per week, first semester.
Open to Juniors and Seniors.

X. Constitutional Law

Principles and development of American constitutional law. Lectures, reports and cases.
Three hours per week, second semester.
Prerequisite V. or VIII.

XI. Economic Theory

Spesial studies in the leading problems of economic theory, such as the nature and origin of value, the laws of normal value and origin of interest.
Three hours per week, first semester.
Prerequisite III and IV.

XII. Industrial Corporations

The course deals with the nature and history of corporations and their significance in modern life. Attention is given to the evils arising from growth of corporations and to various remedies proposed.
Three hours per week, second semester.
Prerequisite III. and IV.

XIII. Money and Banking

Principles of money; recent monetary history; present problems with reference to the reform of the banking system in the United States.
Three hours per week, first semester.
Prerequisite III. and IV.

SPANISH

Edith A. Hill, Professor

I. First Year Spanish

Ready familiarity with the essentials of Spanish grammar, and systematic training in pronunciation, conversation and reading.
Four hours per week, first semester.

II. First Year Spanish

Continuation of Spanish I.
I. and II. continuous courses.
Four hours per week, second semester.

III. Second Year Spanish

Selected texts from modern Spanish authors.
Three hours per week, first semester.

IV. Second Year Spanish

Continuation of Spanish III.
Three hours per week, second semester.

Schedule of Recitations

FIRST SEMESTER

7:45 O'CLOCK

Biology III		T			
Chemistry A	M	T			
English C			W	Th	F
English V				Th	F
English IX	M	T			
German VII	M		W		F
Greek I	M	T			
History I			W	Th	F
History of Architecture	M				
Mathematics A	M	T			
Mathematics I			W	Th	F
Philosophy V		T			
Philosophy VII	M		W	Th	
Political Science VII	M		W		F
Physics A	M	T			

8:45 O'CLOCK

Biology III	M	T	W	Th	
Chemistry A	M	T	W	Th	F
English I (Section I)		T	W	Th	
English IX					F
French III	M	T	W		
German I		T	W	Th	F
Greek I					F
Harmony I		T			
History XI	M	T	W		
Italian I	M		W		F
Mathematics A				Th	F
Mathematics V	M	T	W		
Philosophy V				Th	F
Political Science V	M	T	W		
Physics A	M	T	W	Th	F

9:45 O'CLOCK

Bible IV			W		
Chemistry I	M	T		Th	F
Chemistry III			W		
English C	M				
English XIII	M		W		F
English XXIII		T			
Geology I	M	T		Th	F
Harmony I					F
History VII	M	T			F
History of Architecture				Th	
Italian III	M		W		F
Latin I	M		W		F
Latin III		T		Th	
Mathematics C		T	W	Th	F
Mathematics VII	M				
Political Science XI	M		W		F
Political Science XIII				Th	
Physics I	M	T		Th	F
Spanish III			W	Th	F

10:45 O'CLOCK

Bible IV				Th	
Chemistry I				Th	F
Chemistry III			W		
English III	M	T	W		
English VII	M	T	W		
English XXIII					F
Geology I					F
Greek C	M	T	W	Th	
History III	M	T			
History V			W	Th	F
Latin III					F
Mathematics III	M	T	W		
Mathematics VII				Th	F
Philosophy IX	M	T	W		
Political Science III		T	W	Th	
Political Science XIII	M				F
Physics I				Th	F
Spanish I	M	T	W	Th	

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Biology I	M	T	W	Th	
Chemistry III	M	T			
Chemistry V	M	T			
Engineering I	M	T			
English XI			W		F
French I	M	T		Th	F
German III			W	Th	F
History IX		T		Th	
History of Painting I			W		
Latin C	M		W	Th	F
Political Science IX	M		W		F
Physics III			W	Th	F

2:00 O'CLOCK

Biology I	M				
Chemistry III	M	T			
Chemistry V	M	T		Th	F
Engineering I	M	T			
English I (Section II)			W	Th	F
English XXI	M				
French V		T		Th	F
History XIII		T	W	Th	
History of Music I			W		
History of Painting I	M				
Latin A	M		W	Th	F
Philosophy I	M	T		Th	F
Political Science I	M	T		Th	
Physics III			W	Th	F

3:00 O'CLOCK

Chemistry V	M	T			
English A	M		W	Th	F
English XXI	M				
Greek A	M		W	Th	F
History A	M	T	W	Th	
Philosophy III		T			F
Physics III	M				

SECOND SEMESTER

7:45 O'CLOCK

Biology IV		T			
Chemistry B	M	T			
English D			W	Th	F
English X	M	T			
English XVIII			W	Th	F
German VIII	M		W		F
Greek II	M	T			
History II			W	Th	F
History of Sculpture	M				
Mathematics B	M	T			
Mathematics II			W	Th	F
Philosophy II	M		W	Th	
Philosophy IV		T			
Political Science VIII	M		W		F
Physics B	M	T			

8:45 O'CLOCK

Bible II	M	T			
Biology IV	M	T	W	Th	
Chemistry B	M	T	W	Th	F
English II (Section I)		T	W	Th	
English X					F
French IV	M	T	W		
German II		T	W	Th	F
Greek II					F
Harmony II		T			
History XII	M	T	W		
Italian II	M		W		F
Mathematics B				Th	F
Mathematics VI	M	T	W		
Philosophy IV				Th	F
Political Science VI	M	T	W		
Physics B	M	T	W	Th	F

9:45 O'CLOCK

Chemistry II	M	T		Th	F
Chemistry IV			W		
Engineering IV			W		
English D	M				
English XIV	M		W		F
English XXIV		T			
Geology II	M	T		Th	F
Harmony II					F
History VIII	M	T			F
History of Sculpture				Th	
Italian IV	M		W		F
Latin II	M		W		F
Latin IV		T		Th	
Mathematics VIII	M				
Political Science XII	M		W		F
Physics II	M	T		Th	F
Spanish IV			W	Th	F

10:45 O'CLOCK

Chemistry II				Th	F
Chemistry IV			W		
Engineering IV	M	T	W		
English IV	M	T	W		
English VIII	M	T	W		
English XXIV					F
Geology II					F
Greek D	M	T	W	Th	
History IV	M	T			
History VI			W	Th	F
Latin IV					F
Mathematics IV	M	T	W		
Mathematics VIII				Th	F
Philosophy X	M	T	W		
Political Science IV		T	W	Th	
Physics II				Th	F
Spanish II	M	T	W	Th	

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Biology II	M	T	W	Th	
Chemistry IV	M	T			
Chemistry VI	M	T			
Engineering II	M	T			
Engineering III				Th	F
English XII			W		F
French II	M	T		Th	F
German IV			W	Th	F
History X		T		Th	
History of Painting II			W		
Latin D	M		W	Th	F
Political Science X	M		W		F

2:00 O'CLOCK

Biology II	M				
Chemistry IV	M	T			
Chemistry VI	M	T		Th	F
Engineering II	M	T			
Engineering III			W	Th	F
English II (Section II)			W	Th	F
Forestry I			W	Th	F
French VI		T		Th	F
History XIV		T	W	Th	
History of Music II			W		
History of Painting II	M				
Latin B	M		W	Th	F
Philosophy VI	M			Th	
Philosophy VIII		T			F
Political Science II	M	T		Th	

3:00 O'CLOCK

Chemistry VI	M	T			
English B	M		W	Th	F
Greek B	M		W	Th	F
History B	M	T	W	Th	

College of Fine Arts

DEPARTMENT OF MUSIC AND ART

GENERAL INFORMATION

In accordance with the plan followed in connection with the other departments of the University, provisions have been made for the most thorough and advanced work in the Department of Music and Art.

The line of work in the University course in Music, conferring the degree of Bachelor of Music, corresponds with that of some of the European Universities.

Preparatory, or Elementary work has also been provided to accommodate those who have not the proper number of entrance requirements for registration in the College work in Music. Saturday classes for children and young people in both Piano and Art provide a valuable opportunity for the cultivation of talent in the early years, under the guidance of competent instructors, who are under the supervision of the Dean of the College of Fine Arts.

Realizing the extent to which superior musical efficiency is attainable only in conjunction with the highest cultural development, stress is laid upon this phase of the student's growth; and special attention is directed to such courses in the other departments of the University which will prove of value in this respect to Music and Art students.

A Choral Society and an Orchestra, under the direction of the Heads of the Departments of Voice and Piano give opportunity for expression and development of musical ability to the students of the entire University.

Classes in the Department of Music will be organized at the beginning of the college year, as indicated in the Calendar.

Special lessons may be begun at any time by students showing marked musical ability.

Piano practice may be arranged for at the Fine Arts Building or Bekins Hall.

DEPARTMENTS, DEGREES AND REQUIREMENTS

DEPARTMENTS

The College of Fine Arts is made up of the following Departments:

(1) Music. (2) Drawing and Painting.

DEGREES AND CERTIFICATES

A Diploma conferring the degree of Bachelor of Music, will be awarded to those who complete the required courses.

A Special Diploma conferring the degree of Bachelor of Music will be awarded to those who complete the required courses with high standing in all subjects as well as in public performance.

A Certificate of work completed will be granted to all who wish credit upon application to the Registrar.

REQUIREMENTS FOR ADMISSION

There are two methods of admission to the College of Fine Arts, (1) by Examination, (2) by Certificate.

By Examination:—All students who cannot present certificates from accredited schools will be examined in the subjects required for entrance.

By Certificate:—Students will be admitted without examination on certificates from accredited High Schools or other preparatory schools, signed by the proper school officer. (For details of units required, see page thirty.

In Piano and Organ:—Applicants are required in addition to the above to have completed the courses set forth in the Preparatory section of this catalog.

In Voice and Violin:—Applicants for the regular course in Voice, or Violin must be able to play Piano accompaniments of moderate difficulty. Any deficiencies in this respect must be made up before graduation.

REQUIREMENTS FOR GRADUATION

No student will be permitted to graduate from the Department of Music, College of Fine Arts, who has not credit for at least 80 full units, and who has not taken at least one year of regular work at the University.

The required work leading to the different degrees is as follows:

Bachelor of Music in Voice

Voice	16 hours
Piano (prep.)	8 hours
History of Music	4 hours
Theory	4 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	72 hours
Electives	8 hours
Total	80 hours

Bachelor of Music in Piano

Piano	16 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
One additional Instrument or Voice	4 hours
Total Required	72 hours
Elective	8 hours
Total	80 hours

Bachelor of Music in Violin

Violin	16 hours
Piano (Prep.)	8 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	76 hours
Electives	4 hours
Total	80 hours

Bachelor of Music in Organ

Organ	8 hours
Piano	8 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Ethics	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Voice	4 hours
Total Required	72 hours
Electives	8 hours
Total	80 hours

ART

Students for the Art department will be admitted at any time, but not for less than one semester except by special arrangement with the Dean.

Instruction in all Art classes is individual. Advancement of each student depends upon the degree of proficiency attained.

ADDITIONAL REQUIREMENTS

ARTISTS' COURSE—COLLEGIATE COURSE

These courses are identical in outline, but students in the artists' course are expected to do a larger amount of work, to maintain the highest grade in all musical subjects, and give a graduating recital. This is not required in the collegiate course, which is intended for those who wish to fit themselves for teachers or take music for personal culture rather than to become public performers. After the second year students are graded in the two courses according to their standing. Advanced students in French, German and Italian are allowed to substitute advanced courses for those offered below.

Students who are backward in technical development at the end of the Sophomore year must make up the deficiency by special work in Piano before they receive Junior standing.

CONCERTS AND RECITALS

Concerts are frequently given in Recital Hall, by the Faculty and advanced students.

Concert courses which are arranged for at special rates by the Spinet Club of Redlands, afford students an opportunity to hear many noted musicians.

Recitals are given semi-monthly by the students of the College of Fine Arts at which works studied in the class room are performed before audiences of fellow students and their friends. All Fine Arts students are required to attend these concerts and recitals, and to take part in programs at least twice a year and to present, each semester, a record of attendance. These semi-public appearances are of great assistance in enabling the student to acquire the ease and self-possession so essential to a successful public performance.

At the close of the College year, during Commencement Week, the Anniversary Recital of the College of Fine Arts, Department of Music is held; at which the students doing the best work in performance at the abovementioned recitals will be heard.

EXPENSES

A Matriculation fee of Five Dollars is required of each student on registration at the offices of the University.

Rates for regular students: Per semester, 16 weeks.

Voice, two periods per week	$98.00
Voice, one period per week	49.00
Voice, (3 in class) two periods per week	64.00
Voice, (3 in class) one period per week	32.00

Piano, two periods per week	98.00
Piano, one period per week	49.00
Organ, two periods per week	64.00
Organ, one period per week	32.00
Violin, two periods per week	98.00
Violin, one period per week	49.00
Advanced Composition, Private two lessons per week	98.00
Advanced Composition, Private one lesson per week	49.00
Advanced Composition, Class of four, two lessons per week	64.00
Advanced Composition, Class of four, one lesson per week	32.00

Rates for Special Students.

(Private lessons at stated rates may be begun at any time during the year, students paying for the individual lessons proportionately.)

Rates for Preparatory Students.

Voice, two periods per week	42.00
Voice, one period per week	20.00
Piano, two periods per week	42.00
Piano, one period per week	22.00
Piano, (Saturday class for young people)	12.00
Violin, two periods per week	42.00
Violin, one period per week	22.00

Rates for Art students.

Drawing and Painting, four hours per week	40.00
Drawing and Painting, two hours per week	20.00
Children's Class, (Saturdays) one hour	12.00
Practice Piano fee, per semester	5.00

The other courses required in the College of Fine Arts are class subjects, and are paid for at the regular rate of $16.00 for each five hours of class recitation.

DEPARTMENTS OF INSTRUCTION

ART

Miss Kate Watkins, Instructor.

1. Charcoal drawing from cast and still life.
   Pen and ink, and pencil drawing.
   Modelling in clay.
   Painting in oil and water color, from still life and model.
   Outdoor sketching.
   Compositon and design.
   Painting from life (Tuesdays and Fridays, only).

HISTORY OF ART

Miss Kate Watkins, Instructor

I. Ancient and Medieval Architecture.
   Renaissance and Modern Architecture.
   Elective.
   Two hours per week, first semester.

II. Sculpture, Ancient and Modern.
   Elective.
   Two hours per week, second semester.

III. Painting, Early painting and Renaissance.
   Elective.
   Two hours per week, first semester.

IV. Painting, Modern.
   Elective.
   Two hours per week, second semester.

Lecture courses, supplemented by collateral reading, and picture study.

VOICE

Charles Edward Hubach, Professor

I. First Year Voice

Systematic training in voice production. Ear and mental training in regard to tone-quality. Elementary sight singing.

Concone's Fifty Lessons for Medium Part of Voice.

Required of Freshmen for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

II. Continuation of Voice I.

Physical training in regard to tone-quality.

Bel Canto. Anthology of Italian Song, embracing the pre-classical song writers, Peri, Caccini, Carissimi and Monteverdi.

Required of Freshmen for degree of Mus. Bac. in Voice.

Two hours per week, second semester.

III. Second Year Voice

Continuation of Voice II. Voice from Psychological view point, Interpretation. Continuation of Anthology of Italian Song, volumes I and II. Early classics of Italian School: Scarlatti, Handel, Caldara, Gluck, etc.

Required of Sophomores for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

IV. Continuation of Voice III

Concone's Forty and Twenty-five Lessons for Medium Part of Voice. English and American picture study.

Sacred Song Literature for Protestant Churches. English and American Simple Secular Song Literature.

Two hours per week, second semester.

V. Third Year Voice

Continuation of Voice IV. Concone's Fifteen Lessons. Later Italian Classics: Mozart, Haydn, Rossini, Donizetti, Bellini, Verdi, etc.

Required of Juniors for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

VI.. Continuation of Voice V

Trills, cadenze and general training in agility. English and American general song literature of medium difficulty. Easy ensemble singing.

Required of Juniors for degree of Mus. Bac. in Voice.

Two hours per week, second semester.

VII. Fourth Year Voice

Continuation of Voice VI. Ensemble singing. General old and new opera.

German and French song literature, including Schumann, Schubert, Brahms, Franz, Grieg, etc. Gounod, Massenet, Saint Saens, etc.

Required of Seniors for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

VIII. Continuation of Voice VII

Dramatic singing or singing with action.
General International Repertoire (compositions sung in the original languages).
General training for teachers of voice.
Required of Seniors for degree of Mus. Bac in Voice.
Two hours per week, second semester.

VIOLIN

Oskar B. Seiling, Professor

Carl E. Miner, Instructor

I. First Year Violin

Joachim method, first part of Book I.
Violine Technique; Sevcik, Book I.
Training of ear; bowing and left hand.

II. Continuation of Violin I.

Joachim methods, second part of Book I.
Violine Technique; Sevcik.
Etudes: Kayser, Mazas, Hermann, etc.
Easy solos from the different composers.

III. Second Year Violin

Joachim method, third part of Book I.
Violine Technique; Sevcik Book II.
Scales and other studies; Haroldi.
Etudes: Mazas, Leonard, Dont, etc.
Solos according to ability of student.

IV. Continuation of Violin III

Joachim method, fourth part of Book I.
Violine Technique; Sevcik.
Studies: Haroldi.
School Concerti and other selections; Ries, Viotti, Rode, etc.

V. Third Year Violin

Joachim method, Book II.
Violine Technique; Sevcik.
Etudes: Herman, Dont, Mazas, etc.
Concerti, Sonate and other solos from modern and old composers.

VI. Continuation of Violin V.

Joachim method.
Violine Technique; Sevcik.
Etudes: Kreutzer with different bowings from Haroldi, Rovelli, Maurer, etc.
Concerti; Sonate and other solos from Beethoven, David, Massenet, Couperin, Brahms, Bach, etc.

VII. Third Year Violin

Joachim method.
Violine Technique; Sevcik.
Etudes: Rode, Leonard, Campanolli, etc.
Concerti: Spohr, Vitalli, Lipinski, etc.
Sonate: Veraccini, Tartini, Corelli, Bach.

VIII. Continuation of Violin VII

Joachim method.

Violin Master Technique; Sevcik.

Etudes: Leonard, Petri, Dont, Vieuxtemps, Paganini.

Concerti for finish and interpretation: Saint-Saens, Mendelssohn, Wieniawski, Beethoven, Paganini, etc.

PIANO

Carl Adolph Preyer, Professor

Mrs. E. May Rodrigues, Instructor

Flora Cordelia Cook, Instructor

I. First Year Piano

Technical training according to the principles of modern piano technique. Systematic training in art-principles of technique, phrasing and tone-quality.

Elementary study of the characteristics of the various classic composers. Repertoire of selections from standard works by the best composers. Text books: A System of Fundamental Technics, Mason-Mathews.

Graded Studies, Book IV, T. Tapper.

Graded Pieces, Book IV, T. Tapper.

Sonata Album, Vol. 329, Schirmer Library.

Berens, Czerny, Cramer, Heller, Kulak, Bach, (inventions) as needed.

Required of Freshmen for degree of Mus. Bac. in Piano and Organ.

Two hours per week, first semester.

II.. CONTINUATION OF PIANO I

Technical training.

Continuation of classical study (at least two Sonatas).

Repertoire of selections from the works of the best composers, classic and romantic.

Text books: Technique; Mason-Mathews. Graded Studies—Book IV—T. Tapper. Graded Pieces —Book IV—T. Tapper. Sonata Album—Vol. 329 —Schirmer Library. Additional Studies as needed.

Required of Freshmen for degree of Mus. Bac. in Piano and Organ.

Two hours per week, second semester.

III. CONTINUATION OF PIANO II

Technical training—Study of the characteristics of the various classic composers. Repertoire.

Text books: Technique, Mason-Mathews. Graded Studies—Book V—T. Tapper. Graded Pieces —Book V—T. Tapper. Sonata Album—Vol 340 —Schirmer Library. Additional studies as needed.

Required of Sophomores for degree of Mus. Bac. in Piano and Organ.

Two hours per week, first semester.

IV. CONTINUATION OF PIANO III

Technical training—Continuation of classical study (at least two Sonatas). Repertoire.

Text books: Same as for previous semester.

Required of Sophomores for degree of Mus. Bac. in Piano and Organ.

Two hours per week, second semester.

V. Continuation of Piano IV.

Technical training.—Special training in Bravura style. Romantic School. Beethoven.—Sonatas. Repertoire.

Text books: Technique, Mason-Mathews. Graded Studies—Book V—T. Tapper. Graded Pieces —Book V—T. Tapper.

Exercises for the independence of the fingers, I. Phillipp. Studies of Clementi, Cramer, Czerny (Op. 740) and others as needed. Bach.

Required of Juniors for degree of Mus. Bac. in Piano.

Two hours per week, first semester.

VI. Continuation of Piano V

Technical training.—Bravura, Bach (continued.) Beethoven (continued.)

The Romantic School.

Text-books: Technique, Mason-Mathews. Technical Material, I. Phillipp. Graded Studies—Book VI—T. Tapper. Graded Pieces—Book VI, T. Tapper.

Studies of Clementi, Henselt, Czerny, Chopin and others as needed.

Required of Juniors for degree of Mus. Bac. in Piano.

Two hours per week, second semester.

VII. Continuation of Piano VI

Technical training—Bravura. Art Interpretation of the Masters. Pedagogics (for prospective teachers.) Text-books: Technique, Mason-Mathews. Technical Material, I. Phillipp. Graded Studies—Books VI, VII—T. Tapper. Graded Pieces—Books VI, VII—T. Tapper.

Studies selected from the works of the greatest masters of pianistic literature.

Required of Seniors for degree of Mus. Bac. in Piano.

Two hours per week, first semester.

VIII. Continuation of Piano VII

Technical training.—Bravura. Interpretations (Christiani, Art-principles.) Pedagogics (for prospective teachers.)

Text-books: Same as previous semester, with such additional studies as may be found necessary.

Required of Seniors for degree of Mus. Bac. in Piano.

Two hours per week, second semester.

PREPARATORY PIANO

Mrs. E. May Rodrigues, Instructor

Flora C. Cook, Instructor

A. TECHNICAL INSTRUCTION according to the principles of modern piano technique (oral.)

Systematic training in phrasing and touch. Gymnastics for development of hands and arms. Selected pieces. Memory work.

Text-books: Graded Studies—Book I—T. Tapper. Graded Pieces—Book I.—T. Tapper.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, first semester.

Required of Freshmen for degree of Mus. Bac. in Voice or Violin.

One hour per week, first semester.

B. CONTINUATION OF PIANO A

Gymnastics, Touch and Technique. Phrasing. Arpeggio and scale forms. Octave and chord touches. Minor scales.

Text-books: Graded Studies—Book I—T. Taper. Graded Pieces—Book I, T. Tapper. Studies—Op. 139—Czerny. Sonatina Album, Vol. 693—Schirmer Library.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, second semester.

Required of Freshmen for degree of Mus. Bac. in Voice or Violin.

One hour per week, second semester.

C. Continuation of Piano B

Technical exercises transposed.—Rhythmical treatment of scale and arpeggio. Velocity in passage work. Interpretation and phrasing. Memory work.

Text-books; Graded Studies—Book II—T. Tapper. Graded Pieces—Book II—T. Tapper. Velocity; Brauer.

Studies in Expression—Op. 47, Heller. Sonatina Album—Vol. 693—Schirmer Library.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, first semester.

Required of Sophomores for degree of Mus. Bac. in Voice or Violin.

One hour per week, first semester.

D. Continuation of Piano C

Technical exercises transposed, (continued.) Scale and passage work, (continued.) Arm and finger touches analyzed. Selected pieces.

Text-books: Graded Studies—Book III—T. Tapper.

Graded Pieces—Book III—T. Tapper. Velocity; Brauer and Czerny. Sonatina Album—Vol. 693—Schirmer Library. Little Preludes; Bach.

Required of students preparing for regular University course in Piano or Organ.

Two hours per week, second semester.

Required of Sophomores for degree of Mus. Bac. in Voice or Violin.

One hour per week, second semester.

HISTORY OF MUSIC

Flora C. Cook, Instructor

ILLUSTRATED LECTURE COURSE

I. History of Music I

Music and the Jews. Music and the Greeks. Effect of the music of the Infidels on Christianity. The Troubadours and Minnesingers. Conquest of Constantinople. Music at the time of the Renaissance. The Florentine "Camerata." Effect of Christianity Upon the Arts, Roman Catholic versus Protestant Music. Birth of Modern Music.

Text-book: Fillmore's History of Music.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, first semester.

II. Continuation of History of Music I

The Early Classical School: Sacred, Palestrina; Secular, Alessandro Scarlatti. The Middle Classical School: Haydn, Mozart. The Modern Classical School: Rossini, Donizetti. Verdi and others. Mixed Classical and Romantic School: Beethoven, Mendelssohn and others. Romantic School: Schumann, Schubert and Modern Italians. Later Modern School: Wagner, Richard Strauss, Debussy, Puccini and others.

Text-book: Same as for History of Music I.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, second semester.

THEORETICAL SUBJECTS
(HARMONY, COUNTERPOINT, FORM AND COMPOSITION.)

Carl Adolph Preyer, Professor

Flora Cordelia Cook, Instructor

I. HARMONY

General Musical Instruction (rudiments). Melody writing. Rhythm. Form and analysis of simple compositions. Music copying and transposition. The major scale. Ear training. Intervals. The minor scale.

Required of Freshmen for degree of Mus. Bac.
One hour per week, first semester.

II. HARMONY

The common chord. Progression and rules of Harmony. Cadences. The first inversion. Musical dictation. Exercises in writing chants and hymn-tunes.

Text-book: J. H. Anger. A Treatise on Harmony. Book I.

Required of Freshmen for degree of Mus. Bac.
One hour per week, second semester.

III. CONTINUATION OF HARMONY II

The second inversion. The dominant seventh and its inversions. National modulation. Exercises in composition of hymn-tunes and simple piano music.

Text-book: Anger. Book I.

Required of Sophomores for degree of Mus. Bac.
One hour per week, first semester.

IV. Continuation of Harmony III

Secondary sevenths. Chords of the ninth and its inversions. Suspensions. Exercises in writing hymn-tunes, chants, dances and simple piano music.
Text-book: Anger. Book II.
Required of Sophomores for degree of Mus. Bac.
One hour per week, second semester.

V. Continuation of Harmony IV

Compound suspensions (continued). Passing and auxiliary notes. Extraneous modulation. Analysis of works of great composers. Exercises in writing hymn-tunes, chants and dances. Also arrangements for voice and instruments.
Text-book: Anger. Book II.
Required of Juniors for degree of Mus. Bac. in Piano, Organ and Violin.
One hour per week, first semester.

VI. Continuation of Harmony V

Composition. The homophonic forms. Counterpoint, first and second species. Vocal compositions. Exercises in writing anthems, short movements and songs.
Text-book: Anger. Book II.
Required of Juniors for degree of Mus. Bac. in Piano, Organ and Violin.
One hour per week, second semester.

VII. Continuation of Harmony VI

Strict Counterpoint (continued).

Analysis of polyphonic forms. Complete review of Harmony in Books I and II, J. H. Anger.

Enharmonic Theory and Chromatic Concords. Composition in large and Chromatic Concords. Orchestra.

Text Books: Harmony Book III, J. H. Anger. Elementary Counterpoint, Goetschius. Instrumentation, Prout. Homophonic Forms, Goetschius.

Required of Senior for degree of Mus. Bac. in Piano, Organ or Violin.

One hour per week, first semester.

VIII. Continuation of Harmony VII

Composition: The Sonatina. The Sontata and Symphony.

During this semester the student must complete the Orchestration of some standard piano sonata, also the composition of an original Sonata for Piano, Organ, or Violin and Piano.

Text-books same as Harmony VII.

Required of Seniors for degree of Mus. Bac. in Piano, Organ and Violin.

One hour per week, second semester.

HISTORY

A. Harvey Collins, Professor

I. General Mediaeval

A survey of the leading events in European History, from about 476 to 1500 A. D., with special reference to the development of the great institutions both of Church and State.

Text, lectures, collateral readings, preparation of maps and papers.

Required of Sophomores for degree of Mus. Bac.

Three hours per week, first semester.

II. Modern Europe

The history of Modern Europe from 1500 to 1815. The text is supplemented by collateral reading and special reports and maps.

Required of Sophomores for degree of Mus. Bac.

Three hours per week, second semester.

PHILOSOPHY

Herbert E. Wise, Professor

I. Psychology

An introduction to the general field of psychology, dealing with the more fundamental processes, and supplemented by collateral reading and individual inquiry.

Required of Seniors for degree of Mus. Bac.

Four hours per week, first semester.

POLITICAL AND SOCIAL SCIENCE

H. C. Tilton, Professor

I. Principles of Sociology

A study of the origin and development of the family and the evolution of certain social institutions. Modern social problems such as divorce, immigration, pauperism, socialism, etc., will receive due attention.

Required for degree of Mus. Bac.

Three hours per week, first semester.

BIBLICAL STUDIES

Herbert E. Wise, Professor

IV. A study of select portions of the Old Testament, embracing its historical development, representative characters, Prophetic messages and poetical literature.

Required of Freshmen for degree of Mus. Bac.

Two hours per week, second semester.

ENGLISH

Egbert Ray Nichols, Professor

I. Composition, Oral and Written

Study of a text, prose models, the fundamentals of oral address, with practice in English Composition, class speeches, and debates.

Required of Freshmen for degree of Mus. Bac.

FRENCH

Edith A. Hill, Professor

I. First Year French

Special attention to pronunciation, writing and reading. Daily practice in the phonetic markings of all new words as they occur. Fraser and Squair's French Grammar is used. Texts suitable to the grade of work required, will be read.

Elective to Seniors for degree of Mus. Bac. in Voice, Piano, Organ, Violin.

Four hours per week, first semester.

II. Continuation of French I

Elective to Seniors for degree of Mus. Bac. in Voice, Piano, Organ, Violin.

Four hours per week, second semester.

ITALIAN

Mrs. Elizabeth May Rodrigues, Instructor

I. First Year Italian

Systematic training in simple conversation, reading and writing. Translation from Italian into English. Regular verbs and Elementary Grammar.

Required of Freshmen for degree of Mus. Bac. in Voice.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

II. First Year Italian

Continuation of Italian I.

Required of Freshmen for degree of Mus. Bac. in Voice.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

III. Second Year Italian

Composition and conversation. Reading of De Amicis and other comprehensive authors.

Irregular verbs. Grammar drill.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

IV. Second Year Italian

Continuation of Italian III.

Required of Sophomores for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

GERMAN

Edith A. Hill, Professor

I. First Year German

Systematic training in simple conversation narration and the elements of German Grammar.

Texts suitable for the first year will be read.

Required of Freshmen for degree of Mus. Bac. in Piano, Violin and Organ.

Elective to Seniors for degree of Mus. Bac. in Voice.

Four hours per week, first semester.

II. First Year German

Continuation of German I.

Required of Freshmen for degree of Mus. Bac. in Piano, Violin and Organ.

Elective to Seniors for degree of Mus. Bac. in Voice.

Four hours per week, second semester.

III. Second Year German

Composition and conversation. Reading of Lessing, Goethe and Schiller.

Required of Sophomores for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

IV. Second Year German

Continuation of German III.

Required of Sophomores for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

V. THIRD YEAR GERMAN

The German Novel; Scheffel's Ekkehard; Freytag's Soll und Haben; Sudermann's Frau Sorge; Hoffman's Das Fraulin von Scuderie, and others. Reading and discussion.

Required of Junors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

VI. THIRD YEAR GERMAN

Continuation of German V.

Required of Juniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

VII. FAUST, PARTS ONE AND TWO

Careful study of the poetry and unity.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, first semester.

VIII. FAUST

Continuation of German VII.

Elective to Seniors for degree of Mus. Bac. in Piano, Violin and Organ.

Three hours per week, second semester.

Preparatory Department

GENERAL INFORMATION

The University authorities have determined, for a few years at least, to maintain a preparatory department, covering approximately the last two years of the regular high school or academy courses. The work in these classes will be given in so far as possible, by the regular professors in the University.

Students contemplating entering the academy should request the superintendent of the school last attended to forward to the Registrar of the University a certificate showing the work for which credit will be asked. The entrance requirements for this department presuppose that the student has completed the work for the first two years in some accredited high school.

Students expecting to take the entrance examinations should present themselves to the Dean on the dates set for such examinations (see Calendar.)

The system of grading, the regulations as to work and examinations, and all general rules and regulations of the University apply also to the Academy. Upon request, parents of the students in the Academy will be kept informed as to the character of the work being done.

Graduates from the Academy will be granted a diploma showing completion of this work and will be admitted to the University without examination.

To that student graduating from the Academy with the highest average grade of work done in residence of at least one year will be granted a prize in the form of a free tuition in the College of Liberal Arts for one semester, providing such work is taken during the year immediately following that in which said student completed the Academy.

DORMITORIES AND ROOMS

The two halls, the one for men, the other for women, supply accommodations for a limited number of students. Those who cannot be thus provided for, or for any reason prefer to room and board elsewhere may secure a list of approved places upon application to the University. (For rates see Expenses).

The following outline of courses is offered in the Academy and corresponds approximately to those of the third and fourth years of our best high schols.

FIRST YEAR

First Semester

English, A—Composition.—College entrance requirements.
Latin, A.—Cicero—Orations and letters.
Greek, A.—Elementary.
French, A.—Elementary.
German, A.—Elementary.
Mathematics, A.—Plane Geometry.
Chemistry, A.—Elements of Chemistry.
Zoology, A.—Elementary.
Physical Education.

Second Semester

English, B.—College entrance requirements.
Latin, B.—Cicero.—Orations and letters.
Greek, B.—Elementary.
French, B.—Elementary.
German, B.—Elementary.
Mathematics, B.—Plane Geometry.
Chemistry, B.—Elements of Chemistry.
Zoology, B.—Elementary.
Physical Education.

SECOND YEAR

First Semester

English, C.—Rhetoric and college entrance requirements.

History, A.—American History and Civics.

Latin, C.—Vergil.—Aeneid.

Greek, C.—Xenophon.—Anabasis.

French, C.—Second Year French.

German, C.—Second Year German.

Mathematics, C.—Intermediate Algebra.

Mathematics, D.—Solid Geometry.

Physics, A.—Elementary.

Physical Education.

Second Semester

English, D.—Argumentation.—College entrance requirements.

History, B.—American History and Civics.

Latin, D.—Vergil.—Aeneid.

Greek, D.—Xenophon.—Anabasis.

French, D.—Second Year French.

German, D.—Second Year German.

Physics, B.—Elementary.

Physical Education.

All Academy classes meet four hours per week, except the second year Modern Languages, which meet three hours per week, Chemistry and Physics which meet five hours per week and Physical Education which meets twice a week. For details of work see Admission and Admission by Certificate.

Alumni

The following are the Alumni of the University of Redlands with addresses:

Class 1910—

Lois Edith Field (Mrs. W. E. Clatworthy) .... Los Angeles, Cal.

Ralph R. Rice, Teacher in Belmont School,.... ..... Oakland, Cal.

John W. Jones, Real Estate ..... Berkeley, Cal.

Class 1911—

Rachael Abbie Coolidge, ... N. Madison Ave., Pasadena, Cal.

Pauline Stiles, Cor. 5th and G St., San Bernardino, Cal.

Nelle Willis .....Chicago, Ill.

Master of Arts, 1911—

Ralph R. Rice, Tr. Belmont School.....Oakland, Cal.

Alice M. Williams, (A. B., Ottawa University) A. M. English, Mrs. J. P. Linsley, Los Angeles, Cal.

Class 1912—

Claire Virginia Gaines (Mrs. Main).....Venice, Cal.

Campbell H. Greenup, Man. Arts High School... ..... Los Angeles, Cal.

Elizabeth Hidden, (R. F. D. Santa Ana) .... Garden Grove, Cal.

Grace Myrtle Humphrey, Tr. in Private School,.. ..... San Diego, Cal

Harley F. MacNair, Prof. St. John's University ..... Shanghai, China

Samuel Reed Thompson, Government Schools,.. ..... Philippine Islands

Mary P. Montgomery ..... Redlands, Cal.

Class 1913—

Ruth Mabel Bekins, So. Figueroa St., Los Angeles, Cal.
Helen Marie Field, 1732 W. 49th St., Los Angeles, Cal.
Raymond Clyde Gerber, Government Schools,.. ..... Philippine Islands
Joybelle Hatcher,.....325 Eureka St., Redlands, Cal.
Tracy Ball Jackson ..... Oakland, Cal.
Vera Ethel Matthews, State Normal School .... Santa Barbara, Cal.
Lillian Whitmore (married) ..... Iowa

Class 1914—

Wallace Burdette Beebe, Univ. of Cal., Berkeley, Cal.
Flora Cook, Asst.-Prof. Univ. Red. Fine Arts,.... ..... Redlands, Cal.
Frances Emily Coolidge, ... N. Madison Ave., Pasadena, Cal.
Sophie Louise Cumings, P. G. Student Univ. Cal., ... Berkeley, Cal.
Faye Curtis, San Bernardino Road ....Redlands, Cal.
Anita Marguerita Gordon .....Oxnard, Cal.
Walter George Hentschke, Fifth Ave., Redlands, Cal.
Nellie Louise Hill (Mrs. Orsin Lolmaugh)..... ..... Hemet, Cal.
Harold Bruck Humeston, P. G. Student U. S. C., ... Los Angeles, Cal.
Carl E. Knapp, Christian Minister,.....Azusa, Cal.
D. Webster Rigg, Baptist Minister . Los Angeles, Cal.
Arthur Denny Smalley .....Student, Rochester, N. Y.
Newell Daniel Spayth, P. G. Student U. S. C., ... Los Angeles, Cal.
Roger John Williams, P. G. Stu. Univ. Cal..... ..... Berkeley, Cal.
Hazel Elizabeth Wood ..... Glendale, Cal.

Register of Students

For the Year 1914-15.

Allen, Marian, Mu. ..... Redlands
Allen, Ronald Shiels, Prep. ..... Redlands
Avey, Helen, Spl. ..... Redlands
Backlund, William Balder, Fr. ..... Kingsburg, Cal.
Bamford, Edwin F., Prep. ..... Los Angeles, Cal.
Barnes, Hubert Earl, Sen. ..... Redlands
Bayerle, Elwood Davis, Fr. ..... New York
Beecher, Euphenia, Prep. ..... Stockton, Cal.
Bell, Mrs. H. J., Jr., Mu. ..... San Bernardino, Cal.
Benson, Rhoda, Soph. ..... East Highland, Cal.
Black, Sena Elizabeth, Sen. ..... Redlands
Black, Carolina, Soph. ..... Redlands
Blanc, Clarence Eugene, Sen. ..... Julian, Cal.
Bland, Clifford, Fr. ..... Long Beach, Cal.
Blowers, Edith Jeannette, Soph. ..... Madera, Cal.
Blowers, Hugh Milnor, Sen. ..... Madera, Cal.
Bonnell, Robert Owen, Sen. ..... Redlands
Brown, Merlin Monroe, Fr. ..... San Bernardino, Cal.
Bryan, Margaret Mary, Fr. ..... Meadow View, Va.
Burchell, Katharine, Mu. ..... Redlands
Burton, Helen, Mu. ..... Redlands
Campbell, Annie Jane, Fr. ..... Pasadena, Cal.
Campbell, Clinton C., Fr. ..... Pasadena, Cal.
Chamberlin, Norma Irene, Sen. ..... Redlands
Childs, Mrs. Madeleine Barnes, Mu. ..... Riverside, Cal.

Christensen, Nellie E., Fr. ..... Selma, Cal.
Chute, Eulalia Mabel, Soph. ..... Ceres, Cal.
Clark, Minnie, Spl. ..... Redlands
Cocking, Arthur Henry, Fr. ..... Vancouver, B. C.
Collins, Minnie B., Spl. ..... Redlands
Corcoran, Margaret, Mu. ..... Redlands
Cooper, Frederick Leonard, Soph. . . Santa Barbara, Cal.
Covington, Irma, Mu. ..... Redlands
Cram, Arthur Davis, Jun. ..... East Highlands, Cal.
Covington, Reta Henrietta, Mu. ..... Redlands
Cumings, Sophie Louise, P. G. ..... Redlands
Cyren, Hilma Elevera, Jun. ..... Redlands
Daniels, Raymond E., Fr. ..... Redlands
Danielson, Mrs. Marjorie H., Mu. ..... Redlands
Davis, Dorothy Irene, Fr. ..... Hemet, Cal.
Davis, Ruth F., Soph. ..... Hemet, Cal.
Davis, Mary Louise, Mu. ..... Redlands
Deming, Nellie F., Mu. ..... Redlands
Dibble, Earl A., Soph. ..... San Diego, Cal.
Diels, Marguerite, Fr. ..... Redlands
Donald, Gordon McIntosh, Fr. ..... Redlands
Dundon, Shirley Dorothy, Mu. ..... Redlands
Easton, Olive J., Mu. ..... San Bernardino, Cal.
Elliott, Elsie Jewell, Fr. ..... Pasadena, Cal.
Edmond, Clara, Spl. ..... Mentone, Cal.
Fisher, Mrs. Henry, Mu. ..... Redlands
Ford, Charlotte Louise, Mu. ..... Redlands
Ford, Clarence Ingman, Fr. ..... Ceres, Cal.
Frost, Marie Main, Mu. ..... Redlands

Gay, Ferdinand Jackson, Fr. .....Oakland, Cal.
Geddes, Ernest R., Soph. ..... Long Beach, Cal.
Geistweit, Harold Nash, Soph. .....San Diego, Cal
Geistweit, William Henry, Sen. ..... San Diego, Cal.
Gillett, Charles Edwin, Soph. ..... Holtville, Cal.
Gleason, Floy Fern, Fr. ..... Corona, Cal.
Graham, Mae Clifton, Prep. ..... Los Angeles, Cal.
Gregg, Mary Opal, Fr. ..... Redlands
Gore, Dennis A., Spl. ..... Redlands
Hansen, Oscar Bernard, Soph. ..... Mornence, Ill.
Harmon, Florence Louise, Spl. ..... Redlands
Harpham, Dorothy, Mu. ..... Redlands
Harpham, Julia E., Mu. ..... Redlands
Harrison, Blanche, Fr. ..... San Luis Obispo, Cal.
Haskell, Fessenden C., Fr. ..... San Bernardino, Cal.
Hatcher, Abell Perry, Fr. ..... Redlands
Hasson, Elsie, Mu. ..... Redlands
Hazzard, Lucy May, Soph. ..... Redlands
Helsley, Jennie Carol, Fr. ..... Ceres, Cal.
Henrikson, Inez Vivian, Mu. ..... Highland, Cal.
Hentschke, Armin Carl, Soph. .....Redlands
Hentschke, Hildegard Clara, Fr. ..... Redlands
Hill, Mary Olive, Mu. ..... Highland, Cal.
Hill, Viola Caroline, Sen. ..... Santa Ana, Cal.
Hill, James Lovett, Prep. ..... Fresno, Cal.
Hoffmann, Marjorie R., Fr. ..... Redlands
Holt, Marvin Greenwood, Fr. ..... Riverside, Cal.
Holcomb, Rollo, Mu. ..... Redlands
Hollister, Edith, Mu. ..... Redlands

Honeycutt, Everett Elmer, Fr. ..... Madera, Cal.
Horton, Hugh W. Mu. ..... Redlands
Hubble, Vivian Lucille, Fr. ..... Lordsburg, Cal.
Hulbert, Ruth Faustina, Fr. ..... Redlands
Huling, Franklin, Fr. ..... Downers Grove, Ill
Husted, Otte M., Prep. ..... Madera, Cal.
Jacobsen, Arthur D., Soph. ..... Selma, Cal.
Jacobsen, Emmanuel B., Fr. ..... Selma, Cal.
Johnson, Rachel Roberta, Soph. ..... Los Angeles, Cal.
Kincher, Othello E., Fr. ..... Redlands
Knight, Samuel, Sen. ..... Redlands
Knopp, Juliet Lee, Soph. ..... Mentone, Cal.
Kratsche, Louise, Mu. ..... Redlands
Krause, Vernette Grover, Sen. .....Redlands
Lee, Ruth, Jun. ..... Azusa, Cal.
Lehr, Mary Henrietta, Soph. ..... Redlands
Leonard, James F., Soph. ..... Redlands
Lewis, Charles Benson, Sen. ..... Edgewater, Col.
Linderman, Florence Amelia, Sen. ..... Saltriver, Ariz.
Lilley, Vina Myrtle, Fr. ..... Beaumont, Cal.
Linsley, Paul J., Jun. ..... Redlands
Lockwood, William E., Soph. ..... Redlands
Long, Esther Melora, Jun. ..... Perris, Cal.
Lord, Margaret Wallace, Sen. ..... Alhambra, Cal.
Lum, Maryette Hawley, Jun. .....Hollywood, Cal.
Mahan, Miles, Prep. ..... Carmarilla, Cal.
Mahan, Sterly S., Spl. ..... Carmarilla, Cal.
McCarty, Maud, Sen. ..... Fellows, Cal.
Martin, Mabel, Fr. ..... Long Beach, Cal.

McClelland, Louise Carmen, Mu. ..... Calumet, Mich.
McKee, Gladys, Lorena, Prep. ..... Tucson, Ariz.
McQuilkin, Minnie Mercedes, Sen...San Bernardino, Cal.
Mitchell, Donald H., Fr. ..... San Luis Obispo, Cal.
Mitchell, Elmer M., Fr. ..... Redlands
Moore, John Worthington, Fr. .....San Diego, Cal.
Myers, Fayette S., Fr. ..... Coronado, Cal.
Nisle, Marguerite, Mu. ..... San Bernardino, Cal.
Nixon, Herman Williams, Jun. .....St. Paris, Ohio
Nye, Villa, Mu. ..... Highlands, Cal.
O'Kelley, Waldo, Mu. ..... Redlands
Ott, Mabel, Mu. ..... Redlands
Palmer, Gordon, Jun. ..... Winters, Cal.
Parmelee, Iva Emogene, Sen. ..... Redlands
Parmelee, Orrin Edgar, Fr. ..... Redlands
Pearson, Alice Mane, Prep. ..... Redlands
Pendleton, Dawson R., Fr. ..... Holtville, Cal.
Phillips, Paul Bradley, Fr. ..... San Bernardino, Cal.
Porter, Ora, Mu. ..... Redlands
Pottenger, Edwin, Prep. ..... Vancouver, B. C.
Pottenger, Mary L. ,Art .....Vancouver, B. C.
Powell, Russell Dean, Soph. ..... Highland, Cal.
Ramerman, George, Spl. ..... Redlands
Rawson, Griggs Holbrook, Prep. .....San Jacinto, Cal.
Redden, Annie Mary, Jun. ..... Redlands
Reider, Mary Helen, Spl. .....Rivera, Cal.
Rentfrow, Verdie M., Sen. ..... Redlands
Rishel, Margaret, Mu. .....San Bernardino, Cal.
Roberts, Charles H. S., Spl. ..... Coalinga, Cal.

Rolfe, Dorothy, Spl. ..... San Bernardino, Cal.
Roberts, Gertrude Amy, Jun. .....Warrensburg, Mo.
Sabourin, Clarence Walker, Fr. ..... San Diego, Cal.
Scott, Miriam, Spl. ..... Redlands
Shamblin, Anne Mae, Prep. ..... Phoenix, Ariz.
Shank, Katherine, Prep. ..... Seattle, Wash.
Shank, Philip, Prep. ..... Seattle, Wash.
Shelton, B. Bunnell, Prep. ..... Woodland, Cal.
Seely, Margaret, Mu. ..... Redlands
Setterlund, Elmer L., Jun. ..... Kingsburg, Cal.
Smith, Warren Douglas, Soph. ..... Redlands
Smith, Elizabeth, Soph. ..... Madera, Cal.
Strait, Lila Huston, Mu. ..... Redlands
Sykes, Eleanor Zoder, Fr. ..... Redlands
Symmes, Eleanor A., Spl. ..... Redlands
Stamps, Mary Louise, Fr. .....South Pasadena, Cal.
Stubbs, Aileen Joyce, Fr. ..... Franklin, Ind.
Thacker, Gladys May, Soph. ..... Los Angeles, Cal.
Thomason, Floyd Harrison, Prep. .....Madera, Cal.
Thomason, Ira L., Jun. ..... Redlands
Thompson, John H., Prep. ..... Cucamonga, Cal.
Tinker, Paul Eugene, Soph. ..... Redlands
Treat, Mila Hakes, Jun. ..... Pasadena, Cal.
Trine, Frank Leesyl, Prep. ..... Madera, Cal.
Truslow, Bertha Corinne, Fr. .....Highlands, Cal.
Truslow, Edythe, Mu. ..... Redlands
Turrill, Gardner Stilson, Soph. ..... Redlands
Turrill, May Emeline, Soph. ..... Redlands
Vineyard, Clyde V., Spl. ..... Redlands

Uzes, Alphonse, Mu. ..... Redlands
Uzes, Francois Hurley, Mu. ..... Redlands
Walton, Nellie May, Fr. ..... Sanger, Cal.
Ward, Ruth Clarissa, Soph. .....Upland, Cal.
Weed, Oliver M., Fr. ..... Redlands
Wellman, Helen, Mu. ..... Topeka, Kan.
Whitney, Allan Fitch, Soph. ..... Redlands
Whitmore, Richard Keith, Fr. ..... Ceres, Cal.
Whittemore, Rex, Fr. ..... Redlands
Williams, Joshua, Mu. ..... Redlands
Wilmot, Emeline Brown, Spl. ... San Bernardino, Cal.
Wilkes, Vera, Mu. ..... Redlands
Winn, Grace Annie, Fr. ..... Redlands
Winsor, La Rue Morse, Soph. ..... Redlands
Wisdom, Gaile Lessie, Jun. ..... Escondido, Cal.
Wisdom, Marie, Fr. ..... Escondido, Cal.
Withrow, Buell M., Spl. ..... Sanger, Cal.

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UNIVERSITY
OF
REDLANDS
BULLETIN

Annual Catalog

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UNIVERSITY OF REDLANDS

Vol. VI MARCH, 1916 No. 1

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UNIVERSITY OF REDLANDS

UNIVERSITY OF REDLANDS

Eighth Annual Announcement

Redlands, California

1916–1917

ENTERED AS SECOND CLASS MATTER, MAY 1, 1911,
AT THE POST OFFICE AT REDLANDS, CALIFORNIA,
UNDER THE ACT OF JULY 16, 1894.

CITROGRAPH PRESS, REDLANDS

Calendar

1916

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College Calendar

1916

September 18th and 19th, Monday and Tuesday—Entrance examinations and registrations for First Semester.

Note—The Monday registration is especially intended for students of Redlands.

September 20th, Wednesday—First Semester begins with Assembly at 11:45 a. m.

November 30th, Thursday, to December 4th, Monday, at 1:00 p. m., Thanksgiving Recess.

December 19th, Tuesday—Christmas Vacation begins at 4:00 p. m.

1917

January 3rd, Wednesday—Christmas Vacation ends at 1:00 p. m.

January—Monday following meeting of Southern California Baptist convention, semi-annual meeting of Board of Trustees, 1:00 p. m.

January 25th, Thursday—Day of Prayer for Colleges.

January 29th, 30th, and 31st, Monday, Tuesday and Wednesday—Mid-year examinations.

February 2nd, Friday—Second Semester begins at 7:45 a. m.

March 30th, Friday—Spring Vacation begins at 4:00 p. m.

April 9th, Monday—Spring Vacation ends at 1:00 p. m.

June 12th, 13th, 14th, and 15th, Tuesday, Wednesday, Thursday and Friday—Final examinations.

June 16th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 17th, Sunday—Baccalaureate Sermon, 11 a. m.
Service, 7:30 p. m.

June 18th, Monday evening—Annual Zanjafiesta.
Semi-annual meeting of the Board of Trustees, 1:00 p. m.

June 19th, Tuesday—Alumni meeting and banquet, 11:00 a. m.
Class Day.

June 20th, Wednesday—Commencement, 10:30 a. m.
College Dinner.

Board of Trustees

MEMBERS OF THE BOARD

TERM EXPIRING 1917

J. P. Haddock, San Diego.
G. S. Turrill, Redlands.
Arthur Gregory, Redlands.
W. F. Wood, Glendale.
Otto S. Russell, Santa Ana.
Geo. D. Knights, Long Beach.
M. W. Hill, M. D., Redlands.

TERM EXPIRING 1918

Mattison B. Jones, Los Angeles.
C. M. Brinstad, Berkeley.
J. H. Merriam, Pasadena.
W. H. Geistweit, San Diego.
L. A. Roadway, Pasadena.
Weymouth Crowell, Los Angeles.
Mrs. W. H. Jameson, Corona.
G. Rupert Johnson, Los Angeles.

TERM EXPIRING 1919

A. T. Currier, Pomona.
J. Harvey Deere, Fresno.
J. Whitcomb Brougher, Los Angeles.
J. H. Strait, Redlands.
W. H. Fowler, Ontario.
W. F. Harper, Pomona.
J. W. Curtis, San Bernardino.
Mrs. Martin Bekins, Los Angeles.

OFFICERS OF THE BOARD

Mattison B. Jones, President, - - Los Angeles
H. W. Hellman Building.

J. H. Merriam, Vice-President - - Pasadena

J. W. Curtis, Secretary, - - San Bernardino
No. 680 E Street

Herbert E. Marsh, Treasurer, - - Redlands

Geo. P. Cortner, Business manager and
Field Representative - - - Redlands

J. Margaret Swope, Assistant Treasurer, San Bernardino

Executive Committee

Mattison B. Jones.
J. H. Merriam.
J. W. Curtis.
L. A. Boadway.
Geo. D. Knights.
J. W. Brougher.
J. H. Strait.

Faculty

VICTOR LEROY DUKE, A. M., President.

Professor of Mathematics.

A. B., Shurtleff College, 1897, A. M., 1903. University of Chicago Summer Sessions, 1898, 1899, 1900, 1901 and 1903.
University of Redlands, 1909—.
Residence, 155 E. Cypress Avenue.

A. HARVEY COLLINS, A. M., Registrar.

Professor of History.

A. B., Indiana University, 1890. University of California Summer School Sessions, 1903, 1906.
A. M., University of Southern California, 1912.
University of Redlands, 1909—.
Residence, 314 West Olive Avenue.

JAMES W. KYLE, A. M.

Professor of Ancient Languages.

A. B., Denison University, 1894. A. M., University of Chicago, 1900.
Student Royal Museum, Berlin, 1898. Member of American School of Classical Studies, Athens, Greece, 1898-99.
University of Redlands, 1909—.
Residence, 621 University Street.

S. GUY JONES, B. S.

Professor of Chemistry.

B. S., Denison University, 1903.
University of Redlands, 1909—
Residence, 110 Myrtle Street.

George Robertson, A. B.

Professor of Biology and Geology.

A. B., McGill University, Montreal, 1881. Graduate Congregational College, Montreal, Canada, 1882. University of Redlands, 1911—.

Herbert E. Wise, A. M.

Professor of Philosophy and Education.

A. B., University of Manitoba, 1892. Graduate of Newton Theological Institution, 1897. A. M. University of Manitoba, 1915.
University of Redlands, 1910—
Residence, 775 Linda Vista Ave.

Edith Abigail Hill. A. B.

Professor of Modern Languages.

A. B., Leland Stanford Junior University, 1903. Student at the Sorbonne, Paris, 1903. Student University of Berlin, 1904. Student in Mexico, 1905. Student University of Madrid, 1909-10.
University of Redlands, 1910—.
Residence, 14 Clifton Avenue.

Herbert Eugene Marsh, B. S. Treasurer.

Professor of Physics and Engineering.

B. S., Michigan Agricultural College, 1908.
University of Redlands, 1912—.
Residence, 618 East Fern Avenue.

Egbert Ray Nichols, A. M.

Professor of English Literature.

Ph. B., Franklin College, 1907.. A. M., Harvard University, 1909.
University of Redlands, 1913—.
Residence, 814 Campus Avenue.

HOWARD C. TILTON, A. M.
Professor of Political and Social Science
A. B., Shurtleff College, 1895. A. M., Brown University, 1897.
University of Redlands, 1914—.
Residence 614 East Fern Avenue.

MARY LOUISE TODD, A. B.
Associate Professor of English
A. B. University of Colorado, 1910. Graduate Student University of Southern California, 1914.
University of Redlands, 1914—.
Residence, 817 High Avenue.

ASHEL CUNNINGHAM, L. L. B.
Director of Physical Education.
L. L. B. Indiana University, 1912.
University of Redlands, 1913—.
Residence, 819 Campus Avenue.

JENNIE V. WILLIAMSON.
Instructor in Physical Education for Women.
University of Redlands, 1915—

WALTER G. INMAN.
Instructor in Physical Education for Men.
University of Redlands, 1916—

HOUSE MOTHERS

Mrs. Laura A. Redden ..... Bekins Hall
University of Redlands, 1913—

Mrs. Blanche A. Stauffer ..... Reavis Hall
University of Redlands, 1913—

ELEANOR A. SYMMES, Librarian.
Librarian of the University of Redlands, 1914—.
Residence, Bekins Hall, Redlands, Cal.

COLLEGE OF FINE ARTS

CHARLES EDWARD HUBACH, Dean of the College of Fine Arts.
Professor of Voice, Bel Canto and General Repertoire. Director of Choral Society.
Graduate New England Conservatory of Music.
Student of Sbriglia, Paris.
Student of Barracchia, Florence, Italy.
University of Redlands, 1914—
Residence, 121 East Fern Ave.

OSKAR BENJAMIN SEILING, Head of Violin Department.
Professor of Violin.
Director and First Violinist Brahms Quintette, Los Angeles.
Residence, Los Angeles, California.

OLGA STEEB KEEFER. Head of the Piano Department.
Professor of Piano.
Private student Los Angeles, California.
Special private student, London, England, and other European musical centers.
University of Redlands, 1915—
Residence, Bekins Hall.

KATE WATKINS, Head of Art Department.
Instructor in Drawing, Painting, Modeling, Lecturer in History of Art.
Student of J. Carrol Beckwith (Art League) and Kenyon Cox of New York. Student of the Julian Studios and Henry Mosler, Paris, France.
University of Redlands, 1913—.
Residence, Bekins Hall, Redlands, Cal.

FLORA CORDELIA COOK, Mus. Bac.
Instructor in Piano.
Instructor in Harmony.
Graduate of Lake Erie College Conservatory, 1903.
Student of Mme. Lillian Lord-Wood, Redlands.
Bachelor of Music, U. of R., 1914.
University of Redlands, 1913—.
Residence, Terracina Blvd.

CARL E. MINER
Instructor in Violin.
Student of Ignaz Haroldi.
Residence, 314 West Fern Ave.

FRANCES ANNETTE CARTLIDGE.

Instructor in the Dunning System of Music.

Instructor in Piano.

Graduate of Dunning System, Buffalo, N. Y. Student of Mrs. Jessie Caynor.
University of Redlands, 1915—
Residence, 720 Cedar Avenue.

LOUISE ISOBEL KRATSCH.

Instructor in Kindergarten Methods.

Graduate of the Kindergarten Department of the State Normal, Milwaukee, Wisconsin, 1909.

Special vocal training, Wisconsin Conservatory of Music.
University of Redlands, 1915-16.

EDITH R. SMITH (MRS. CARROLL B.)

Instructor in Organ and Theory.

Student of Middleschulte, Chicago. Special student in the Department of Music, Oberlin College. Student of D. F. Stillman and Hugo Kaun, Milwaukee. Student of Professor Junius Hill, Wellesley College. Student of Ernest Douglas, Los Angeles, California.

Student of Professor Widor, Paris, France.
University of Redlands, 1915—
Residence, Ford and Elizabeth Streets.

GERTRUDE ADAMS BUTLER, Mus. Bac.

Instructor in Public School Music Methods.

Graduate of the College of Music, Willamette University.

University of Redlands, 1916—
Residence, Colton, California.

STANDING COMMITTEES
1916-17.

Athletics—
S. Guy Jones, E. R. Nichols, Ashel Cunningham.

Discipline—
V. L. Duke, H. E. Wise, H. C. Tilton.

Dormitories—
V. L. Duke, H. E. Wise, George Robertson.

Grounds—
J. W. Kyle, Geo. Robertson, Business Manager Geo. P. Cortner.

Library—
H. E. Wise, H. C. Tilton, E. R. Nichols and W. H. Fowler, from Board of Trustees.

Museum—
George Robertson.

Prizes—
J. W. Kyle.

Publications—
A. H. Collins, V. L. Duke, E. R. Nichols.

Schedule—
S. G. Jones, A. H. Collins, E. A. Hill.

Student Literary Activities—
E. A. Hill, A. H. Collins, H. E. Wise.

Christian Work—
V. L. Duke, H. C. Tilton, H. E. Wise.

Events of the Past Year

June 10th, Saturday—Anniversary of The College of Fine Arts, Department of Music, 8:00 p. m.

June 11th, Sunday—11:00 a. m., Baccalaureate Sermon by Rev. W. H. Geistweit, D. D., Pastor First Baptist Church, San Diego, Cal.

7:30—Address' before the Christian Associations by Rev. F. L. Blowers, Pastor Baptist Church, Madera, California.

June 12th, Monday—7:30 to 10:00 p. m., Students' Annual Zanjafiesta.

June 13th, Tuesday, 11:00 p. m.—Alumni meeting and banquet.

2:00 p. m.—Class Day Exercises of the Class of 1915.

8:00 p. m.—Reception by the Deans.

June 14th, Wednesday—Commencement, 10:30 a. m.

Address by Rev. Horace A. Day, D. D., Pastor First Congregational Church, Los Angeles, California.

Announcement of the election of Dean Victor LeRoy Duke as President of the University, by Mattison B. Jones, President of the Board of Trustees.

Address and conferring of degrees by President Victor LeRoy Duke.

12:15 p. m.—Fifth Annual College Dinner.

During the present year, 1915-16, the University of Redlands has been favored with a number of assembly addresses by distinguished men and women as follows:

May 25th—Rev. G. M. Zimmerman, Pastor First Baptist Church, Ogden, Utah.

May 11th—Rev. A. W. Rider, D. D., Pacific Coast Secretary American Baptist Foreign Mission Society.

May 14th—Dr. Walter Rauschenbuch, Professor Church History, Rochester Theological Seminary, Rochester, N. Y.

May 17—Rev. N. D. Hynson, Pastor First Presbyterian Church, Redlands, California.

May 19th—Dr. B. F. Bryan, Pastor Baptist Church, Whittier, California.

September 29th—Dr. M. J. Sweeney, Redlands, California, on "Castles and Dreams of the Student."

October 6th—B. B. Wilcox, Secretary Y. M. C. A., Pasadena, California, "A Scale of Human Values."

October 13th—Colonel A. C. Sharp, U. S. A., retired, Redlands, California.

October 14th—Dr. Wm. E. Benninghoff, Professor of Philosophy, Tokio University, Waseda, Japan.

October 20th—Rev. C. W. Jackson, Pastor Baptist Church, South Pasadena, California.

October 27th—Mrs. Jennie E. Davis, Redlands, California, "How to Spell Success."

November 3rd—Captain C. H. Stanley, Methodist Evangelist, formerly an actor.

November 8th—Rev. N. D. Hynson, Pastor First Presbyterian Church, Redlands, California.

November 9th—J. L. Harbour, of Youth's Companion Staff, "Wit and Humor."

November 22—Rev. A. E. Isham, Pastor of Lutheran Church, Redlands, California.

December 1st—Rev. F. W. Farr, Pastor of Calvary Baptist Church, Los Angeles, California.

December 6th—Miss Conklin, Missionary to India. Representative of Student Volunteers.

December 13th—Mrs. Bevet, Representative of The Dunning System of Music, San Diego, California.

December 14th—Francis Cuttle, Member Tri-County Reforestration Committee, Riverside, California.

December 16th—Mrs. Ira F. Mills, Representative W. R. C., Redlands, California—Presenting a new flag to the University of Redlands.

January 6th and 7th, 1916—Dr. W. B. Hinson, Baptist Evangelist, recently of White Temple, Portland, Oregon.

January 12th—Mr. Welcher, Representative of Anti-Cigarette League.

January 20th—Dr. Edwin H. Griffin, Dean and Professor of Philosophy, Johns Hopkins University.

February 14th—W. H. Fowler, Member of Board of Trustees, of University of Redlands, and Business man, Ontario, California.

February 24th—Rev. Jas. A. Brown, Pastor Baptist Church, Fullerton, California, "Simplicity of Religion."

March 1st—Brig.-General Pratt, U. S. A., retired, formerly Superintendent of Carlyle Indian School, "American Indians and Their Treatment."

March 9th—Dr. W. Edward Raffety, Director of Daily Vacation Bible-School Work, American Baptist Publication Society.

University of Redlands

HISTORICAL

On the seventh day of December, 1906, the Baptists of Southern California, in Convention assembled in Berean Hall, Los Angeles, resolved to found and foster a high grade Christian college. A committee of twenty-one representative men was appointed to select the location for the college, manage the campaign for a Founding Fund and organize the institution.

The citizens of Redlands made an offer of $100,000 and forty acres of land for the location of the school in their city, on condition that the Baptists of Southern California raise at least $200,000 additional. The proposition was accepted and plans were immediately made for the state canvass. Under the leadership of Doctor Jasper Newton Field, then pastor of the First Baptist Church of Redlands, the canvass was begun on September 1st, 1907.

The campaign met with such a hearty response that at the convention held in Los Angeles in January, 1909, the committee was able to announce the assured success of the movement.

To the forty acres given by Redlands for a campus has since been added twenty-three acres, including the beautiful University Hill, now occupied by the Administration Building and the Fine Arts Building.

With the $300,000 founding fund and the beginning of the first building the work of actualizing the institution may be said to have commenced.

The University of Redlands was incorporated under that title in 1907.

On September 29th, 1909, less than three years from the time of the inception of the movement, the institution threw open its doors to the public.

The College of Liberal Arts was organized and continued thru the first semester of 1909-10 in the Bible School rooms of the First Baptist Church of Redlands.

In February, 1910, the ample Administration Building was occupied.

From the beginning a College of Fine Arts has been a prominent feature of the plans for the University. This work for the first year, 1909-10, was largely carried on at the private studios of the professors and instructors. From 1910 to 1914 the work of the Fine Arts College was housed in Bekins Hall. Increasing enrollment and the necessity of using the rooms at Bekins Hall for dormitory purposes necessitated the move to the present Fine Arts Building, which stands on University Hill and to the east of the Administration Building.

LOCATION

Redlands, the home of the University, is a beautiful city of 11,000 inhabitants, situated sixty-six miles east of Los Angeles, in the heart of the best orange growing district in the world, and close to the eternal mountains, whose massive strength gives courage, whose grandeur

gives inspiration, whose repose gives rest. The city is located at an altitude of about 1400 feet, which gives it as nearly an ideal climate as it is possible to find, sometimes touching the frost point in winter, warm in summer; but, even in the warmest summer months, always having cool and restful nights.

Flowers blossom all the year round and the finest fruits are always in season. The class of people who have made Redlands what it is, coming from all parts of the country, is thoroly cosmopolitan and is closely in touch with the latest thought and endeavor of the world. Redlands is a church going city, and with this sentiment thus dominant there is no saloon within her borders. In short, Redlands is a city of high moral tone and culture, justly deserving the name that has been given to it, "The Athens of Southern California." Many trains a day, steam and trolley, connect Redlands with Los Angeles and other nearby towns, the trip to Los Angeles taking two and one-half hours, thru the orange groves and vineyards of the garden spot of the United States. Redlands can be reached directly via either the Southern Pacific or the Santa Fe railroads or the Pacific Electric. It is also reached by the Salt Lake Route thru San Bernardino and Pacific Electric to Redlands.

The location of this place for an institution of higher learning, such as the University of Redlands, presents unusual opportunities for an ideal home life to parents desiring to have their children live at home while pursuing a college course.

CAMPUS

In a beautiful valley under the shadow of the "Everlasting Hills" the campus of the University of Redlands surely has an inspiring setting. Its sixty-three acres, under the skill of a landscape architect, aided by a beneficient climate, has in a short time become a spot of rare beauty. A special, and to many, a unique feature of the campus is a regularly laid out and fruit bearing orange grove of 1900 trees, covering every slope of University Hill. With stately architecture to grace its green sward, winding drives, glowing flowers, and wrapt in the indefinable atmosphere which adds so much romance and charm to our Western land, the place itself will surely inspire with the highest ideals the sons and daughters who will throng its halls of learning.

THE BUILDINGS

ADMINISTRATION

The main structure of the whole University scheme, the Administration Building, was completed in 1910. It is massive and monumental in character, a pure example of classic architecture, of the mixed Ionic order. The exterior is faced with gray granite and with its massive columns and red tile roof harmonizes admirably with its majestic setting of mountain and valley.

The building contains the offices of the President, Registrar and Treasurer, and at present accommodates the recitation and laboratory work of the College of Lib-

eral Arts, embracing some sixteen recitation rooms, chemical and physical laboratories, lecture rooms, library, society halls; locker rooms, etc. The entire equipment is of the highest order, especial attention being paid to the ventilation and sanitary requirements.

FINE ARTS BUILDING

To the east of the Administration Building and forming the second of the group of three, proposed for University Hill, stands the Fine Arts Building. Its handsome lines harmonize with those of the Administration Building, and the others on the campus.

The Vocal, Piano, Violin, and Art Studios, as well as the classrooms, practice rooms, and musical library, are in this structure while the spacious hall provides room for the accommodation of audiences at the semi-monthly and other recitals.

The building was largely the gift of Mrs. Julia A. Libby of Santa Ana.

BEKINS HALL

Bekins Hall, the gift of Mr. and Mrs. Martin Bekins, of Los Angeles, was completed and occupied in October, 1910. The building is classic in architecture and absolutely fireproof in construction. It contains rooms for the accommodation of fifty young women, besides parlors, dining hall and kitchen, and a specially equipped laundry. Many of the rooms are connected with private baths. Ample verandas and a roof garden foster out-door life.

REAVIS HALL

Reavis Hall is named in honor of the late Benjamin H. Reavis, of Orange, Cal., whose generous gifts to the University have more than justified the naming of the young men's dormitory. The hall is a pleasant home-like structure, located in the borders of a beautiful orange grove and will accommodate eighteen students.

MEN'S GYMNASIUM

At the northeast corner of the Athletic Field stands the gymnasium for men with a floor space 60 feet by 40 feet and containing apparatus and facilities for all indoor exercises and sports for men. Southwest of the gymnasium are the Athletic Field and Tennis Courts, and arrangements for all sorts of out-door sports and exercises.

WOMEN'S GYMNASIUM

Just south of the Fine Arts Building stands the gymnasium for women. The building contains dressing rooms, sanitary showers and a gymnasium floor space 32 by 60 feet. The building is provided with a complete equipment for calisthenics and light gymnastics as well as for basket ball, volley and indoor baseball.

ORGANIZATIONS

Associated Student Body

The Associated Student Body is composed of all the students matriculated in the various colleges of the University and the Academy. Its officers are chosen by the student body from their own number. Regular meetings are held each week to deal with matters of general interest to all students.

Pi Kappa Chi

One of the literary societies maintained by the young ladies of the University is known as Pi Kappa Chi, and was organized during the opening year of the University, 1909-10.

This society has for its aims both literary and social development.

The meetings are held on alternate Thursday afternoons and have proven of great pleasure and profit to the members.

Athena Club

The Athena Club was organized by young women of the University in 1915. This club carries on active work under the following departments, whose titles indicate the objects of the organization:—Literary, Civics, Dramatics, Music and Home Economics.

Every member is required to choose and work in one of these departments.

Mrs. E. R. Nichols is the Patroness and gives special attention to the dramatic department for which she is especially fitted.

The benefits of organized work of this kind among the young ladies is readily recognized.

Pi Kappa Delta

The University of Redlands has a chapter of Pi Kappa Delta, a forensic honor society organized among colleges of the Middle West in January, 1913. All orators and debaters who represent the institution in

intercollegiate contests are eligible to membership and are elected upon application. The organization confers an honorary key which is jewelled to show the achievement in forensics attained by the wearer.

Christian Associations

Branches of the College Departments of the Young Men's Christian Association and the Young Women's Christian Association are doing active and effective work. Each association holds a weekly prayer meeting. Representatives from the societies are sent to the Bible and General Conferences for Colleges. The good effect of these Christian organizations is very marked in the daily life of the student body. Every encouragement and assistance is given these organizations by the faculty.

The Choral Society

The Choral Society is composed of those of the student body who are musically inclined. The society is under the direction of Dean Hubach and is designed to give drill in general chorus work and, by means of talks and lectures, to give the members a knowledge of the historical and cultural value of music. One hour of credit per year is given for satisfactory work in the society.

German Club

In February, 1910, the German Club was organized under the direction of Professor Hill, and meets fortnightly. The club chooses its own officers and has as one of its regulations, "no language but German for one

hour." Besides the social feature, the benefits of the club are seen in a better pronunciation and understanding of the German language.

Concert Octet

A Concert Octet of mixed voices from the ranks of the vocal students makes frequent trips to the nearby cities for mutual benefit and to advertise the University in other communities. Admission to this organization is by competitive examinations under the supervision of the Dean of the College of Fine Arts. Only the finest of artistic music is rendered by these young people, who have given great pleasure to many by their capable performances.

COLLEGE PUBLICATIONS

The University of Redlands publishes a quarterly bulletin, one of which is the annual catalog. The other three are devoted to special studies and reports of officers and other matters of importance.

Student Publications

The Campus, a weekly paper published by the Associated Student Body thru an elected staff, is an exponent of the student life and activities of the University.

La Letra

La Letra, The University Annual, is published by a special staff chosen by the student body and is devoted to the features of the University life for the year.

The Annual comes from the press about June First of each year and is eagerly anticipated by all those connected with the University.

Colors

The official colors of the University of Redlands are Maroon and Silver Gray.

Athletics

The University of Redlands recognizes the value of athletics in the college curriculum. Athletics is the vitalizing force of "College Spirit," and hence of value to college students in general. Athletics when properly coached and controlled, is of great value to the participant, for not only is the body developed, the eye made keener and the judgment quickened, but, if allowed so to do, the broader and finer qualities of mind and of soul, even, find expression and receive impulses and strength. Therefore athletics occupies the usual important place in the schedule.

The athletic park is enclosed and contains a 220 yard straight-away and a circular four lap track, both in excellent condition. Inside the circular track the football and baseball fields are laid out.

College of Liberal Arts

ADMISSION

Every student, unless he brings a certificate of proficiency from an accredited school, shall before entering any class in the collegiate department, be examined upon the following subjects required for entrance:

In the College of Liberal Arts the University of Redlands offers courses leading to the Bachelor of Arts and the Bachelor of Science degrees with the following

FIXED ENTRANCE REQUIREMENTS

LEADING TO BACHELOR OF ARTS

(1)	English	2—4	units
(2)	Mathematics	2½	units
	History	1	unit
(3)	A Laboratory Science	1	unit
(1)	Foreign Language	2—4	units
	Elective	4½	units
	Total	15	units

LEADING TO B. S.

	English	2	units
(2)	Mathematics	2½	units
	History	1	unit
(4)	Physics	1	unit
(4)	Chemistry	1	unit
(4)	Other Sciences	1	unit
	A Foreign Language	2	units From one Language
	Elective	4½	units
	Total	15	units

(1.) For entrance to the A. B., a student must present six units in English and Foreign Language, two of these must be in English and two in Foreign Language and the other two may be in English or in Foreign Language or in both.

Students wishing to major in Ancient Languages in the College must offer four entrance units in Latin.

(2.) Any student having fifteen accepted entrance units, but only two of these in Mathematics, namely, Elementary Algebra, one unit, and Plane Geometry, one unit, will be entered as a college student, without condition, but will be required to take Mathematics C, Intermediate Algebra, four hours, and will be given three hours college credit for the completion of the course. However, this shall not reduce the total amount of work in Mathematics required for graduation.

(3.) A student offering a laboratory science other than Physics or Chemistry must elect one of these sciences in the college.

(4.) A student presenting only two of these three units, but an extra unit in either Mathematics or Foreign Language, will be entered without condition, but must elect the equivalent science course in the College, receiving therefor seven hours of college credit for the year's work. This shall not reduce the total amount of work required in these subjects for graduation.

In the list of subjects enumerated above the term unit is employed to signify the amount of preparatory work done in a given subject during a school year, the class meeting at least four hours of sixty minutes each week.

ADMISSION BY CERTIFICATE

Graduates of approved high schools or academies will be given credit for any of the subjects listed below in which they are recommended. Blanks for such recommendation will be furnished on application to the University and it is expected that all applicants for admission, without examination, will use them.

In the list of admission subjects enumerated below the term unit is understood to represent five recitations per week of forty-five minutes each, or four recitations per week of sixty minutes each thruout one school year. A detailed description of the essential subjects may be found in the printed lists of the American College entrance requirements.

1. English, Elementary..... 2
2. English, Advanced (3rd yr.). 1
3. English, Advanced (4th yr·). 1
4. Algebra, Elementary..... 1
5. Algebra, Intermediate.....½
6. Plane Geometry..... 1
7. Solid Geometry.....½
8. Plane Trigonometry.....½
9. Ancient History..... 1
10. Mediaeval and Modern His. 1
11. English History..... 1
12. History and Gov't of U. S.... 1
13. Economics.. .....½, 1
14. Latin, Elementary & Caesar 2
15. Cicero & Latin Composition 1
16. Vergil & Latin Composition 1
17. Greek, Elem. & Xenophon.... 2
18. Homer and Greek Comp..... 1
19. German, Elementary..... 2
20. German, Intermediate..... 1
21. German, Advanced..... 1
22. French, Elementary..... 2
23. French, Intermediate..... 1
24. French, Advanced..... 1
25. Spanish..... 2
26. Physics..... 1
27. Chemistry..... 1
28. Botany..... 1
29. Zoology..... 1
30. Physiology..... 1
31. Physical Geography..... 1
32. General Science..... 1
33. Free-hand Drawing.....½, 1
34. Mechanical Drawing.....½, 1
35. Music.....½, 1
36. Vocational Subjects 1, 2, 3

Half units will be accepted only when presented in addition to a whole unit in the same subject or in closely

allied subjects, such as economics and history, except in industrial arts, agriculture, music, etc., as indicated above.

One year of a foreign language will not be accepted until supplemented by an additional year of the same language in the Academy of the University of Redlands.

Students who can present thirteen units in the subjects required for entrance for any degree will be classified conditionally as Freshmen. But no student will be advanced to Junior standing until all entrance subjects and all the requirements of the Freshmen and Sophomore years are completely fulfilled.

ADVANCED STANDING

If a student applying for entrance to the University can present more than the fifteen units required he may be granted advanced standing in the extra studies presented, upon the recommendation of the head of the department in which such advanced credits are sought, the head of the department reserving the right to examine the applicant before making the recommendation.

Credit without examinations for work done in other institutions will be granted only upon receipt of a satisfactory certificate mailed to the University of Redlands by the proper official of the institution in which the work was done.

A student from another institution of equal scholastic rank may be admitted to advanced standing in the University upon presentation to the committee having charge

of credits satisfactory evidence of having completed the work claimed, together with a certificate of honorable dismissal.

Students failing to satisfy any of the above requirements for admission may be received as "conditioned," but such conditions must be removed before said students are admitted to the Junior Class.

MATRICULATION AND REGISTRATION

Students are urged to register on the designated registration days. Absences from classes are counted from the day on which instruction begins. The student, within one week after registration day or at once, in case of late registration, must obtain from the Treasurer a card of admission to classes.

Students enrolled for the first semester and registering for the second semester will be expected to register between Friday, January 3rd and Saturday, January 24th. An extra fee of one dollar ($1.00) will be charged such students whose registration is not complete on or before January 24th.

GENERAL REQUIREMENTS AND REGULATIONS

Candidates for degrees will be required to recognize the sequence of courses in selecting their work, unless excused by the Faculty.

Persons not candidates for any degree may be admitted to the University as special students, provided they are of mature age and give the Faculty satis-

factory evidence that they are properly qualified to do work creditably and with profit.

Special students may select their studies without reference to the sequence of courses, but otherwise are subject to the general regulations governing the student body. Such students may at any time become candidates for degrees by conforming to the regular requirements.

No student who has registered for regular work can change his status to that of a special without permission of the Faculty.

After registration no student will be permitted to drop a study, without the consent of the President, within two weeks after the beginning of the semester, nor after that time without the consent of the Faculty.

A student withdrawing from the University before the work of any semester has been completed shall thereby forfeit all credits for that semester; but at the discretion of the instructor such student, upon returning to college, may resume a subject at the point dropped and carry it to completion.

The regular work of the student calls for fifteen hours in the class room each week. Without special permission of the Faculty no student shall take less than twelve hours nor more than eighteen.

Each student must take a final examination before receiving credit in any course, except that in the second semester a student ready to receive a degree or diploma shall not be required to take an examination in those

courses in which his daily grade for that semester is 90 per cent. or above.

A fee of two dollars ($2.00) will be charged for each extra or special examination in any department of the University. Said fee must be paid in advance to the Treasurer and receipt for the same presented to the instructor by the applicant before he will be permitted to take the examination.

PRIZES

The following prizes have been offered to the students of the University for the year 1915-16, to be awarded on Commencement Day:

1. For the best original oration delivered by a regular student of the University of Redlands at the annual Oratorical Contest on the third Friday of January, a gold medal or a prize of $25 is offered by the President of the Board of Trustees of the University, Mr. Mattison B. Jones, of Los Angeles.

2. For the best extempore speech delivered by a regular student of the University at the annual Contest in Extempore Speaking on the first Friday in December, a prize of $25 is offered by Mr. W. H. Fowler, of Ontario, trustee of the University.

3. For the best essay on either of the following subjects: "Science and Religion", "The Altruism of Science", "The Attitude of the Scientist to Truth", presented by any student in the Department of Biology, a prize of $5.00 is offered by Professor Geo. Robertson, of the University.

4. For the best music written by a student of the University for the college song of the University of Redlands, a prize of $5.00 is offered by Professor C. E. Hubach, Dean of the College of Fine Arts.

5. For the best poem written by a student of the University as words for the college song, a prize of $5.00 is offered by Professor C. E. Hubach, Dean of the College of Fine Arts.

SCHOLARSHIPS

A number of scholarships have been endowed by friends of the University, the income derived from such funds being devoted to defraying the tuition fees in the Liberal Arts College of those students to whom the scholarships are awarded.

Where the donors do not themselves award the scholarships, it is left with the authorities of the University to assign them. Conduct and scholarship are taken into consideration in the assignments of scholarships to matriculated students.

Particulars regarding scholarships may be obtained by addressing the University of Redlands.

ACCREDITING

The work of the University of Redlands will be accepted by the University of California or Leland Stanford, Jr., University for admission to Sophomore, Junior, Senior or Graduate standing.

STUDENT HELP

A number of students are employed in the buildings and about the Campus to assist them in defraying a part of their expenses.

Often citizens of Redlands apply to the University for student help in exchange for room rent and board, or for other compensation. The University is glad to be able to help students and for that purpose keeps on file a list of such applications.

Inquiries regarding this matter should be addressed to the University of Redlands.

DORMITORIES, ROOM AND BOARD

In the Bekins Hall for Women and the Reavis Hall for men accommodation is provided for a limited number of students. Thoroly competent matrons in charge of the dormitories give assurance of adequate control. In both the halls it will be the purpose of the administration to approximate the home life as closely as possible.

Students unable to secure accommodations in the halls or desirous of securing rooms and board elsewhere, may obtain from the University of Redlands a list of approved locations. Students will be permitted to room only in places approved by the Faculty.

For cost of rooms and board see Expenses.

EXPENSES

It is believed that the expenses at this institution are as low as is consistent with the high character of the work

done. The following schedule will serve to indicate the principal items:

Tuition per semester, payable in advance:

College of Liberal Arts $48.00
Academy 36.00

Matriculation Fee:

College of Liberal Arts, and Fine Arts $ 5.00
Academy 3.00

Registration Fee per semester:

College of Liberal Arts .....$ 2.00
Academy 1.50

Laboratory Fees:

College Chemistry, for each course, per semester .....$ 8.00

Academy Chemistry for each course per semester .....$ 5.00

College course in Biology, per semester $ 1.00

A deposit of five dollars ($5.00) is required in Chemistry to cover breakage. This deposit, less cost of breakage, is refunded at the end of the year.

College Physics, for each course, per semester ..... $ 5.00

Academy Physics, for each course, per semester .....$ 3.00

No breakage deposit is required in Physics, but an account is kept of all breakages and a charge is made therefor.

Students carrying not more than five hours of work will be charged one-third of the regular tuition fee; those carrying from six to ten hours inclusive, will be

charged two-thirds of the regular fee, and those carrying more than ten hours will pay the full fee.

Students preparing for the ministry and children of ministers and missionaries will be granted a discount of 50 per cent. in tuition fees for regular work in the Academy and the College of Liberal Arts.

Special attention is called to the fact that the charge for tuition includes gymnasium, library, graduation and all incidental fees other than the matriculation and registration fees, and those connected with the laboratory work.

No student may attend classes for more than one week after the regular registration day without having made satisfactory arrangements with the treasurer concerning all monies due the University.

DORMITORY EXPENSES

The larger number of the dormitory rooms are arranged for two in a room, being furnished with two beds and in some of the rooms two closets.

The beds in Bekins Hall are single and provided with mattresses 6 ft. 2 in., by 3 ft., and pillows 23 by 30 inches. For dimensions of pillows and mattresses in Reavis Hall, address The House Mother.

Each student is expected to furnish bed covers, linen and towels.

Rooms and Board at the Dormitories:

Two in a room, per month .....$27 each

Two in room with bath adjoining, per month $30 each

When paid by the semester in advance, $105 and $115 respectively. Of this sum $20 per month is reck-

oned for the board and the balance as room rental. In case a student desires to room alone in one of the double rooms, a half more will be added to the room rental.

The dormitories will be closed during the Christmas and the spring vacations unless a number of students desire to remain, in which case those students paying the semester rate will be charged an additional fee for their accommodations during these periods.

The necessary expenses, including room, board, tuition, books and laundry, will average about $350 or $375 for the year.

Rooms in the dormitory may be reserved at any time for 1916-17 by a deposit of five dollars with the University. This deposit will be deducted from the charges of the first month.

LIBRARY

The library of 7400 volumes and several thousand unbound magazines and pamphlets, contains especially well selected works on all subjects included in the curriculum. This number includes about 3000 volumes received as a permanent loan from California College, Oakland, Cal.

Many valuable books and sets have been given by generous friends of the University.

Moreover, through the courtesy of the A. K. Smiley Public Library of Redlands, with 27,427 volumes, the University Library is a depository, thruout the college year, for such books as the different departments may from time to time require.

A music library, largely a loan from the private library of Dean Hubach, is maintained in the Fine Arts building.

REQUIREMENTS FOR GRADUATION

No student shall be permitted to graduate from the University who has not credit for at least 120 hours and two years of physical education and who has not taken at least one year of the regular work at the University.

The required work leading to the different degrees is as follows:

Bachelor of Science

English	6-9 hours
Mathematics	12 hours
History	6 hours
Sociology or Economics	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Modern Languages	12 hours
Physics	8 hours
Chemistry	8 hours
Other Science	6 hours
Total required	73 hours
Electives	47 hours
Total	120 hours

BACHELOR OF ARTS

(2)	English	6-12 hours
	Mathematics	6 hours
(3)	History	6-10 hours
	Sociology or Economics	3 hours
	Ethics	3 hours
	Christian Evidences	2 hours
	Psychology	4 hours
	Science	8 hours
	Foreign Languages	6 hours
	Total required	62—72
	Electives	58—48
	Total	120

In addition to the above requirements for the A. B. degree the student must choose at least eighteen hours from one of the following departments: Ancient Languages, English, History, Political and Social Science, Philosophy or a Modern Language. If in a Modern Language the eighteen hours must be in addition to Courses I and II in these departments. Greek A, B, C, and D (see Academy Courses) cannot be counted as a part of the required eighteen hours in Ancient Languages.

(2) Students who offer fewer than four entrance units in English, will be required to take nine college hours in that subject for the B. S. degree and twelve for the A. B. degree.

(3.) Students who offer fewer than two entrance units in History, will be required to take ten college hours in that subject.

GRADUATE WORK

The secondary degrees of A. M. and M. S. will be awarded for one year's residence work in addition to that required for the degrees of A. B. or B. S. A candidate for the Master's degree shall select a major department in which he must do two-thirds of his work under the direction of the professor in charge of that department. The remaining one-third of the work required shall be taken in some other department or in not more than two others. Upon the completion of the year's study the candidate must pass an examination upon the subjects taken, such examination to be written, or written and oral, conducted by the instructors in the departments in which the candidate has taken his work and a visiting professor chosen from some other department by the President.

In addition to the resident work and the examination, as above indicated, the candidate shall prepare a thesis representing the results of original investigation on some subject suggested by the professor in charge of the major department. This thesis must conform to definite regulations, show independent investigation and be clothed in such language as will demonstrate the candidate's ability to properly handle such material.

Departments of Instruction

BIBLICAL STUDIES

Herbert E. Wise

Crawford Professor of English Bible and Cognate Studies

I. The Apostolic Age. Due consideration is given to the distinguishing features of the individual books of the New Testament and their mutual relations; special emphasis, however, will be given to the life and labors of the Apostle Paul.
Elective to Freshmen and Sophomores.
Two hours per week, first semester.

II. The Teaching of Jesus and His Apostles. This course is a continuation of the "Apostolic Age" and is a more intensive study of the fundamental teachings of the New Testament. Emphasis will be placed upon the necessity of the student's being familiar with the Biblical language and literary style, together with a knowledge of New Testament Times.
Elective to Freshmen and Sophomores.
Two hours per week, second semester.

*III. Introduction to the Old Testament. A study of the origin, historical development, social messages, religious significance and permanent worth of the Old Testament.
Elective to Juniors and Seniors.
Two hours per week, first semester.

*IV. Continuation of III.

Elective to Juniors and Seniors.

Two hours per week, second semester.

* Omitted in 1916-17.

BIOLOGY

Geo. Robertson, Professor

I. General Botany

The study will cover a general course in plant life, including lectures, recitations, laboratory and field work. The local flora is very rich in native and cultivated plants, suitable for study every month of the year. The work will be pursued along these lines (a) Morphological (especially the hystological phase), (b) Physiological, and (c) special Botany, a study of local flora, conditions of plant development, and a knowledge of the economic value of California plants.

Elective.

Three hours and one laboratory period of two hours per week, first semester.

II. General Botany

Continuation of Biology I. The study of local flora will receive special attention.

Elective.

Three hours and one laboratory period of two hours per week, second semester.

III. General Zoology

A study of invertebrate animal life, the structure, development, classification and distribution. The study of insects will be specifically considered.

Elective.

Three hours and one laboratory period of two hours per week, first semester.

IV. General Zoology

Continuation of Biology III.

A study of vertebrate animal life; the morphology, development, physiology, classification, distribution and economic value. Especial attention is given to human physiology.

Elective.

Three hours and one laboratory period of two hours per week, second semester.

CHEMISTRY

S. Guy Jones, Professor

I. Qualitative Analysis

An advanced course in general and theoretical chemistry, accompanied by a laboratory course in qualitative analysis. Determination of the composition of natural and commercial products.

Two recitations and two laboratory periods per week, first semester.

II. Qualitative Analysis

Continuation of Chemistry I.

Two recitations and two laboratory periods per week, second semester.

III. Quantitative Analysis

General methods of Gravimetric Analysis. Prerequisite, Chemistry I and II.

Laboratory work three periods per week, first semester.

IV. Quantitative Analysis

Continuation of Chemistry III. Gravimetric and Volumetric Analysis.

Laboratory work three periods per week, second semester.

V. Organic Chemistry

A study of the compounds of Carbon.

Prerequisite, Chemistry I and II.

Two recitations and two laboratory periods per week, first semester.

VI. Organic Chemistry

Continuation of Chemistry V.

Two recitations and two laboratory periods per week, second semester.

VII. Advanced Quantitative Analysis

An advanced course in quantitative manipulations and determinations. The aim of the course is to obtain skill in quantitative manipulation and a knowledge of methods which will enable the student to quickly and easily become proficient in any of the several lines of quantitative analytical Chemistry.

Prerequisite, Chemistry I-IV.

Four laboratory periods per week, first semester.

VIII. Advanced Quantitative Analysis

Continuation of Chemistry VII.

Four laboratory periods per week, second semester.

IX. Inorganic Preparations

Study of the accepted methods of preparing the principal inorganic compounds.

Prerequisite, Chemistry I and II.

Three laboratory periods per week, first semester.

ENGINEERING

Herbert E. Marsh, Professor

I. Mechanical Drawing

Use and care of drawing instruments, free-hand and mechanical lettering, exercises in projection and simple drawing.

Prerequisite, Mathematics A and B.

Two drawing periods per week, first semester.

II. Continuation of I.

Drawing accurately to scale plans, elevations, and sections from student's own measurements and free-hand sketches of simple machine parts.
Prerequisite Engineering I.
Two drawing periods per week, second semester.

III. Surveying

The use, care and adjustment of the Surveyor's instruments. Field work; chain and tape surveying, transit surveys, leveling, curves, etc.
Prerequisite, Mathematics II.
One recitation and two field periods per week, first semester.

IV. Surveying

Continuation of III applied particularly to topographical surveying and mapping.

Prerequisite, Engineering III.

One recitation and two field (or drawing) periods per week, second semester.

V. Descriptive Geometry

A study of the principles which underlie orthographic projection, keeping in mind the importance of the ability to analyse a problem into its component parts and to reason from a given set of conditions to a required set of conclusions.

Prerequisite, Engineering I and II.

Three drawing periods per week, first semester.

VI. Graphic Statistics

A study of methods of representing forces graphically and the application of the same in the determination of stress in structures.

Elective for Juniors and Seniors.

Prerequisite, Physics I, Engineering VII.

Recitation two hours and one drawing period per week, second semester.

VII. Applied Mechanics

A study of the laws of statics and dynamics and their application to the various branches of engineering.

Elective for Juniors and Seniors.

Prerequisite Physics I and Mathematics V and VI.

Four recitations per week, first semester.

VIII. Mechanics of Materials

A study of mechanics of materials including elastic and ultimate strength, and elastic ultimate deformations, cases of simple stress, theory of beams, columns, and shafts; also a study of the principles of reinforced concrete and their application in various structures.

Elective for Juniors and Seniors.

Prerequisite, Engineering VII.

Four recitations per week, second semester.

ENGLISH

Egbert Ray Nichols, Professor

Mary Louise Todd, Associate Professor

From six to twelve units of English are required of A. B., and nine of B. S. students, the first six of which must be courses I. and II., which are prerequisites to all others except VII., VIII., XXV., XXVI., XXVII., and XXVIII. English VII., and VIII. are required of all Freshmen presenting less than four years of high school English for college entrance. Eighteen hours in addition to the six in courses I. and II. are required of students majoring in English.

The aim of the English department is threefold: (1) to train the students in the art of self-expression or English Composition, written and oral; (2) to give the student definite knowledge of the greater writers of English literature; and (3) to enable the student to appreciate

and estimate in a measure by the higher standards of criticism the value and wealth of English literature.

The work of the department has been grouped under three heads. This division of the department is the logical and natural one of (A) Courses in Composition, (B) Courses in English Literature, and (C) Courses in Public Speaking. The courses in Divisions A and C are given by Mr. Nichols. Miss Todd assists with the courses in Division B.

A.—COURSES IN COMPOSITION

I. Freshman Rhetoric and Composition
A study of composition, oral and written, with regular practice in writing and speaking.
Required of all Freshmen.
Three hours a week, first semester.

II. Freshman Rhetoric and Composition
Continuation of Course I.
Required of all Freshmen.
Three hours a week, second semester.

III. Advanced Composition, and Modern Literature
(a) A course in composition designed for those who wish to continue writing work beyond the Freshman year. A regular schedule of writing is followed. Longer themes are required and more attention is given to criticism than in English I. and II. English III. and IV. may be taken two years with full credit for each year. Modern literature is studied in this course regularly for a part of each week,

course (b) being given with (a) one year and course (c) the following year.

Three hours a week, first semester.

!(b) The Short-story.

An outline study of the masterpieces of short prose fiction following a biographical, historical, or type classification. Collateral reading and oral reports on modern short-story writers required.

*(c) Modern Published Drama.

An outline study of contemporary drama as found in the published works of various dramatists, following a comparative literature, biographical, or type classification. Collateral reading and reports. Course (c) is designed to alternate with course (b).

IV. Advanced Composition and Modern Literature

(a) A continuation of (a) as outlined in English III.

Three hours a week, second semester.

!(b) The Essay.

An outline study of the essay and "article" in contemporary writing, following a biographical or type classification. Collateral reading and reports.

*(c) A continuation of (c) as outlined in English III. Course (c) is designed to alternate with course (b) as in English III.

V. Journalism

An elementary course in newspaper writing, including a study of reporting, editorial writing, features, advertising, etc. Two hours, first semester.

B—COURSES IN ENGLISH LITERATURE

VII. History of English Literature

A general outline course in English literature from Beowulf to the year 1900.

Required of all students majoring in English Literature unless an equivalent is offered. Also required of Freshmen not presenting four years of high school English for college entrance. Open as elective to other students. Miss Todd.

Three hours a week, first semester.

VIII. Continuation of English VII.

Three hours a week, second semester. Miss Todd.

IX. Shakespeare and the Elizabethan Age

(a) An intensive study of three plays of Shakespeare including Hamlet or Othello.

(b) A reading course in pre-Shakespearian drama, and in Shakespeare's plays up to the year 1600. A chronological order is followed. Collateral reading on the life of Shakespeare and his time.

Three hours, first semester.

X. Shakespeare and the Elizabethan Age

(a) As in English IX.

(b) A reading course in Shakespeare's contemporaries and in Shakespeare's plays subsequent to the year 1600. A chronological order is followed. Thesis required.

Three hours, second semester.

XI. The Age of Milton and Dryden

A survey of the life and writing of Milton and of Dryden, with special study of the more important works. Outside reading in the Restoration period.
Two hours per week, first semester.
Miss Todd.

XII. Chaucer and Spencer

A survey of the life and writings of Chaucer and Spencer with special study of the Canterbury Tales and the Faerie Queene.
Two hours a week, second semester.

!XIII. Nineteenth Century Poets

Study of the rise of Romanticism and the work of Wordsworth, Coleridge, Byron, Shelley, and Keats.
Designed to alternate with Course XV.
Three hours a week, first semester.

!XIV. Nineteenth Century Poets

Study of the life and writings of Tennyson and of Browning.
Three hours a week, second semester.

*XV. Nineteenth Century Prose

Study of the Essayists of the Victorian and pre-Victorian periods, including Lamb, DeQuincey, Carlyle and Ruskin.
Given in alternate years.
Three hours a week, first semester.

*XVI. The English Novel

A study of the rise and development of the English novel, of its technique, and of the lives and times of the more important novelists. Collateral reading and reports required.

Three hours a week, second semester.

*XVIII. The Bible as Literature

A course designed to give the student some knowledge of the various literary forms found in the Bible with special study of the poetic books, particularly of the Book of Job. Thesis required.

Three hours a week, second semester.

*XX. Literature of the Eighteenth Century

A survey course of the principal writers of 18th Century in prose, poetry, and drama, with special emphasis given to Goldsmith and Burns.

Two hours a week, second semester. Miss Todd.

!XXII. Outlines of American Literature

A study of the history and development of American literature with especial attention to the New England school.

Three hours a week, second semester.

Miss Todd.

C.—COURSES IN PUBLIC SPEAKING

XXV. Argumentation and Debate

A study of the principles of debating, with exercises in brief drawing, writing speeches, and class debates.

Elective for Freshmen as well as upper classmen and should be taken by those desiring to enter Incollegiate Debates.

Two hours a week, first semester.

XXVI. Argumentation and Debate (Offered conditionally.)

A continuation of XXV.

Two hours, second semester.

XXVII. Oratory and Public Speaking

A course in the principles and technique of the oration, with special attention to the college oration. Also practice in speaking—extempore and committed work—i. e. elementary training in expression. Elective for Freshmen as well as upper classmen. Two hours, first semester.

XXVIII. Oratory and Public Speaking (Offered conditionally).

A course in the literature of oratory, with practice in extempore and committed work. Continues course XXVII in expression. Elective for Freshmen as well as upper classmen.

Two hours a week, second semester.

*Given in 1916-17 and alternate years.
!Given in 1917-18 and alternate years.

FORESTRY

Geo. Robertson, Professor

I. FORESTRY

The study will cover our local national forests, trees, chaparral, herbs, street trees and conservation of forest cover and of water. The course will deal with rock and soil structure, national forests in general, their purpose, use, protection and management, California conditions especially considered.
Biology I and II are desirable prerequisites.
Elective.
Three hours per week, second semester.

FRENCH

Edith A. Hill, Professor

I. FIRST YEAR FRENCH

Special attention to pronunciation, writing and reading. Daily practice in the phonetic markings of all new words as they occur. Grammar and texts suitable to the grade of work required, will be used.
Four hours per week, first semester.

II. CONTINUATION OF FRENCH I.

Four hours per week, second semester.
I. and II. continuous course.

III. Second Year French

Rapid review of grammar. Considerable opportunity is given for speaking the language, as but little English is used in the class room. Plays, novels and short stories of some of the greatest modern writers will be studied during the year.

IV. Continuation of French III.

Three hours per week, second semester.

V. French Literature of the 19th Century

A lecture and reading course. Conducted entirely in French. Chateaubriand, de Vigny, Hugo, Balzac and others will be studied.

Three hours per week, first semester.

VI. French Literature

Continuation of French V.

Three hours per week, second semester.

VII. Conversation Course

Facts of daily life discussed. Designed to train students to speak and write the language with some facility.

Two hours per week, first semester.

VIII. Conversation Course

Continuation of French VII.

Two hours per week, second semester.

IX. French—17th Century Poetry

Lecture course and reading. The principal authors of the classical period, Corneille, Moliere, Racine, La Fontaine, Le Sage, Boileu, etc., will be studied.

Three hours per week, first semester.

X. French—17th Century Prose
Continuation of French IX.
Three hours per week, second semester.

GEOLOGY

Geo. Robertson, Professor

I. General Geology

Lectures, recitations, laboratory and field work. The study will include the salient and economic features of the science, giving a systematic and comprehensive knowledge of the most important teachings of Geology. The course will cover (a) Dynamical, (b) Structural and (c) Historical Geology. Attention will be given to the Petrology and Crystalography of the common rocks and minerals.
Prerequisite, Biology I-IV.
Elective.
Three hours and one laboratory period of two hours per week, first semester.

II. General Geology

Continuation of Geology I. Historical Geology continued and developed, especially California conditions.
Elective.
Three hours and one laboratory period of two hours per week, second semester.

GERMAN

Edith A. Hill, Professor

I. First Year German

Systematic training in simple conversation, narration and the elements of German grammar. Texts suitable for the work of the first year will be read. Four hours per week, first semester.

II. First Year German

Continuation of German I.
I. and II. continuous course.
Four hours per week, second semester.

III. Second Year German

Composition and conversation. Reading of Lessing, Goethe and Schiller
Three hours per week, first semester.

IV. Second Year German

Continuation of German III.
Three hours per week, second semester.

V. Third Year German

The German Novel. Freytag's Soll und Haben. Sudermann's Frau Sorge, and others.
Reading and discussion.
Three hours per week, first semester.

VI. Third Year German

The German Novel. Continuation of German V.
Three hours per week, second semester

VII. Faust, Parts One and Two

Careful study of poetry and unity.
Three hours per week, first semester.

VIII. Faust
Continuation of German VII.
Three hours per week, second semester.

IX. German Literature
History of German Literature of 12th, 14th and 18th centuries, using Wells, Francke and Robertson as references.
Three hours per week, first semester.

X. German Literature
Continuation of German IX.
Three hours per week, second semester.

XI. Conversation Course
A course in conversation, composition and sight reading.
Two hours per week, first semester.

XII. Conversation Course
Continuation of German XI.
Two hours per week, second semester.

GREEK

James W. Kyle, Professor

I. Lysias: Selected Orations
Exercises in recomposition of the text. Analysis of style of Lysias. Lectures on the Greek orators.
Three hours per week, first semester.

II. Homer: Iliad, Selections
Study of forms from text and from Sterrett's Dialect of Homer. Metrical reading of the Greek. Lectures on the Homeric Poems as literature.
Three hours per week, second semester.

III. LUCIAN: SELECTED DIALOGUES

Exercises in recomposition. Required reading of other dialogues in translation. Lectures on the Greek rhetoricians.

Three hours per week, first semester.

IV. PLATO: APOLOGY, CRITO AND PART OF THE PHAEDO

Discussion of the life and teachings of Socrates. Reading and reviews of the Gorgias, Symposium and Republic in Jowett's translation.

Three hours per week, second semester.

V. EURIPIDES: IPHIGENIA IN TAURIS; ARISTOPHANES; CLOUDS

Discussion of the plot and characters. Lectures on the Greek theatre. Study of the various metres and exercises in metrical reading.

Three hours per week, first semester.

VI. DEMOSTHENES: ORATION ON THE CROWN

Analysis of the style of Desmosthenes. Supplemented by reading from Dionysius and select passages from Hyperides, Isaeus, Aeschines and Isocrates.

Three hours per week, second semester.

VII. GREEK LITERATURE IN ENGLISH

Lectures on style, with class work in Wright's Short History of Greek Literature. Required reading of three Greek authors per semester in the best translations, with critical review of each. The power to criticise independently and appreciate reasonably a work of literary art is sought in this course as well

as some direct and personal acquaintances with the literature of Greece.
Three hours per week, first semester.

VIII. Greek Literature in English
Continuation of Greek VII.
Three hours per week, second semester.

IX. Modern Greek
A Practical Method by Rangabe will be used as a guide. Part of each hour will be given to conversation in Modern Greek.
Three hours per week, first semester.
May be substituted for Greek I.

X. Modern Greek
Continuation of Greek IX. A magazine published at Athens will be taken by each member of the class. Short stories by present day writers will be read. Conversation on current topics continued.
Three hours per week, second semester.
May be substituted for Greek III.

Note—For the present the courses in elementary Greek and Xenophon's Anabasis, if taken in this institution, will receive college credit as electives, at the rate of three hours per semester.

HISTORY

A. Harvey Collins, Professor

I. General Mediaeval

A survey of the leading events in European History from about 476 to 1500 A. D., with special reference to the development of the great institutions both of Church and State. Text, lectures, collateral readings, preparation of maps and papers.
Required of Sophomores.
Three hours per week, first semester.

II. Modern Europe

The history of Modern Europe from 1500 to 1815. The text is supplemented by collateral reading, special reports and maps. Open to students who have had History I or equivalent.
Required of Sophomores.
Three hours per week, second semester.

III. American Colonial History

A study of early American history to 1783. Lectures on the discovery, exploration, founding and development of the English Colonies. An intensive study of the causes and results of the American Revolution. Lectures, text, papers, maps.
Open to all students.
Two hours per week, first semester.

IV. American Expansion

Expansion of the American people, along territorial, social and industrial lines. Text and lectures with much collateral reading and preparation of papers and maps.
Open to all students
Two hours per week, second semester.

V. History of the United States

Designed to show the growth of the American National Government by a study of the political, social and institutional development of the United States 1783-1850. Lectures, reports, investigations and comparisons.

Open to Juniors and Seniors.

Three hours per week, first semester.

VI. History of the United States

Continuation of History V 1850-1917.

Special emphasis will be laid on the causes of the Civil War, Reconstruction, and the institutional and political development since 1875.

Open to Juniors and Seniors.

Three hours per week, second semester.

VII. English History

This course is planned so as to cover the principal features of English History to 1603. Special attention will be paid to the constitutional phases.

Open to all students. Especially planned for Freshmen.

Three hours per week, first semester.

VIII. English History

Continuation of History VII to the present time. Special attention is paid to the constitutional phases and to England's colonial policy and expansion.

Open to all students. Especially planned for Freshmen.

Three hours per week, second semester.

IX. History of the Pacific Slope

A special lecture course from syllabus, together with investigations and reports.

Open to upper classmen.

One or two hours per week, first semester.

X. History of the Pacific Slope

Continuation of History IX. Open to upper classmen.

One or two hours per week, second semester.

XI. The Reformation

A detail study of the Protestant Reformation. An attempt will be made to discover the causes leading to the movement and the immediate and ultimate results, as well as to trace the current of events.

Prerequisite, History I and II or VII and VIII.

Three hours per week, first semester.

XII. International Relations

This course is designed to familiarize the student with the more important diplomatic questions that have presented themselves to our own statesmen. Special attention will be given to American Diplomacy.

Open to Juniors and Seniors.

Three hours per week, second semester.

XIII. Nineteenth Century Europe

Beginning with the general peace secured by the Congress of Vienna this course deals with the new political, social and international problems that characterize the nineteenth and the beginning of the twentieth centuries.

Prerequisite, History I and II or VII and VIII.
Three hours per week, first semester.

XIV. History of South America
This course deals with the colonial expansion of Spain and Portugal in America and with the political, institutional and industrial development of Latin America. Special attention will be given to the inter-relationship of the two Americas.
Three hours per week, second semester.

Note—Any elective course in history may be withdrawn if not elected by a sufficient number.

HISTORY OF ART

Miss Kate Watkins, Instructor

I. Ancient and Medieval Architecture.
Renaissance and Modern Architecture.
Two hours per week, first semester.

II. Sculpture, Ancient and Modern.
Two hours per week, second semester.

III. Painting, Early painting and Renaissance.
Two hours per week, first semester.

IV. Painting, Modern.
Two hours per week, second semester.

Lecture courses, supplemented by collateral reading, and picture study.

HISTORY OF MUSIC

Flora C. Cook, Instructor

Illustrated Lecture Course

I. History of Music

Ancient Music. Mediaeval Music. Music of the Sixteenth Century. Music of the Seventeenth Century. Text book: Fillmore's History of Music. The text is supplemented by collateral readings.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, first semester.

II. Continuation of History of Music I.

Music of the Eighteenth Century and the Classical School. The Nineteenth Century and the Romantic School. Later Modern Schools.

Text book: Same as for History of Music I., with collateral reading.

Required of Sophomores for degree of Mus. Bac.

Two hours per week, second semester.

ITALIAN

Instructor

I. First Year Italian

Systematic training in simple conversation, reading and writing. Translation from Italian into English. Regular verbs and Elementary Grammar. Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, first semester.

II. First Year Italian

Continuation of Italian I.

Required of Freshmen for degree of Mus. Bac. in Voice. Elective to Seniors for degree of Mus. Bac. in Piano, Organ or Violin.

Three hours per week, second semester.

III. Second Year Italian

Composition and conversation. Reading of De Amicis and other comprehensive authors.
Irregular verbs. Grammar drill.

Required of Sophomores for degree of Mus. Bac. in voice.

Three hours per week, first semester.

IV. Second Year Italian

Continuation of Italian III.

Required of Sophomores for degree of Mus. Bac. in voice.

Three hours per week, second semester.

V. Third Year Italian

Continuation of Italian IV.

Italian Short Stories by approved authors. Translation from English into Italian.

Elective to Juniors for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

VI. Third Year Italian

Continuation of Italian V.
Italian Lyrics, especially Petrarcha.

Elective to Juniors for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

VII. Fourth Year Italian

Reading of Dante and other standard Italian Literature.

Elective to Seniors for degree of Mus. Bac. in Voice.

Three hours per week, first semester.

VIII. Fourth Year Italian

Continuation of Italian VII. General Italian Literature.

Elective to Seniors for degree of Mus. Bac. in Voice.

Three hours per week, second semester.

LATIN

James W. Kyle, Professor

I. Cicero: De Senectute and De Amicitia

Review of forms and syntax. Discussion of the life and thought of Cicero and the sources of his philosophy.

Three hours per week, first semester.

II. Horace: Selections from odes, Satires and Epistles

Will be read metrically to secure ease and fluency in the Latin. Parallel passages from Greek and English poets. Discussion of the spirit and art of Horace.

Three hours per week, second semester.

III. LIVY: SELECTIONS FROM BOOKS I., XXI. AND XXII

Lectures on the history of Rome. Discussion of the style and rhetorical methods of Livy.
Three hours per week, first semester.

IV. TACITUS: ANNALS

Systematic study of the style of Tacitus. Comparison with Livy and Thucydides. Lectures on the life and times of Tacitus.
Three hours per week, second semester.

V. PLAUTUS: CAPTIVI, TRINUMMUS AND RUDENS; TERENCE: ANDRIA.

Metrical reading. Lectures on Latin Comedy and the Greek Theatre.
Three hours per week, first semester.

VI. LUCRETIUS; CATULLUS; TIBULLUS; SELECTIONS

Metrical reading, lectures and critical essays on the Latin poets.
Three hours per week, second semester.

MATHEMATICS AND ASTRONOMY

Victor L. Duke, Professor

I. SOLID GEOMETRY

The fundamental propositions of Solid and Spherical Geometry with many original exercises applied especially to the mensuration of solids.
Prerequisite, one unit of Algebra and one unit of Plane Geometry.
Three hours per week, first semester.
(This course is parallel to Mathematics D, Academy and for the year 1916-17 they will be combined.)

II. TRIGONOMETRY

Analytic Trigonometry, the proof and applications of the fundamental relations among the functions of angles. Practical Trigonometry, the solution of the plane triangle, measurements of heights and distances, sufficient of Spherical Trignometry to determine the spherical triangle.

Prerequisite, Algebra, one and one-half units; Plane Geometry, one unit.

Three hours per week, second semester.

III. COLLEGE ALGEBRA

Rapid review of the Theory of Quadratic Equations. Permutations and Combinations, Series, Logarithms, Determinants and elementary Theory of Equations.

Prerequisite one and one-half units of Algebra and one unit of Plane Geometry.

Three hours per week, first semester.

IV. ELEMENTS OF ANALYTICAL GEOMETRY

A study of the point, the line and the circle, with some of the more important and elementary theorems on the conic sections.

Prerequisite. same as for Math. III plus Math. II.

Three hours per week, second semester.

V. DIFFERENTIAL CALCULUS

Fundamental formulae and processes of differentiation and an insight into the powerful factor which this subject is in modern scientific research.

Prerequisite, Mathematics I-IV.

Three hours per week, first semester.

VI. Integral Calculus

A study of the processes of integration and their application to physical and mechanical problems.
Prerequisite, Mathematics I-V.
Three hours per week, second semester.

VII. Descriptive and General Astronomy

A study of the heavenly bodies, their constitution, laws of motion, physical properties and the processes by which man discovers these facts.
Prerequisite, Mathematics II.
Three hours per week, first semester.

VIII. Descriptive and General Astronomy

Continuation of Mathematics VII.
Three hours per week, second semester.

IX. Advanced Analytical Geometry

A more detailed study of the properties of the conic section; some insight into the study of higher plane curves. Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

X. Advanced Analytical Geometry

Continuation of Mathematics IX.
Two hours per week, second semester.

XI. Advanced Theory of Equations

Equations of higher degrees symmetric functions of roots, determinants of higher orders.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XII. Advanced Theory of Equations

Continuation of Mathematics XI.
Two hours per week, second semester.

XIII. Differential Equations

Principles involved in the solution of such equations and the applications of this branch of Mathematics to Mechanics.
Prerequisite, Mathematics I-VI.
Three hours per week, first semester.

XIV. Differential Equations

Continuation of Mathematics XIII.
Three hours per week, second semester.

XV. Advanced Integral Calculus

Special attention will be given to the definite integral and to elliptic integrals.
Prerequisite, Mathematics I-VI.
Two hours per week, first semester.

XVI. Advanced Integral Calculus

Continuation of Mathematics XV.
Two hours per week, second semester.

PHILOSOPHY AND EDUCATION

Herbert E. Wise, Professor

I. Logic

Historic stages in the development of logic; principles of deduction and induction; detection of fallacies; training in discriminative and consecutive thinking.

Open to Sophomores.

Three hours per week, first semester.

III. Psychology

An introduction to the field of Psychology. The elements and functions of conscious life, and the affective, discursive and volitional processes are studied in their relation to practical life.

Papers and reports of individual inquiry supplement the text.

Biology III is most desirable as preparation for this course.

Required. Open to Juniors.

Four hours per week, first semester.

IV. Introduction to Philosophy

This course affords a survey of the field of philosophic enquiry, both in its historical and interpretative aspects.

Three hours per week, second semester.

V. Christian Evidences

In dealing with Christianity as the fundamental postulate in a philosophy of life, the student is introduced to the basic elements of Christian belief. Due attention is given to Anti-Theistic theories.

Required of Seniors.

Two hours per week, first semester.

VI. Ethics

This course treats of problems and relations ,moral standards, theories of moral values, and includes an historical survey of the classical schools. Thesis required.

Required of Seniors.

Three hours per week, second semester.

VII. (a) Comparative Religion

A study of the origin and development of ethnic religions especially of those that have influenced civilization. It treats of the diversities of religious phenomena and their theoretic interpretation.

Open to Juniors.

Two hours per week, second semester.

(b) Psychology of Religion

A study of the phenomena of the religious life; the psychology of conversion, its types and manifestations; the psychology of faith and the enlarging sphere of consciousness.

Open to Juniors.

Two hours per week, first semester.

VIII. (a) PRINCIPLES OF EDUCATION

This course emphasizes the distinguishing aspects of the educative process, comprising the biological, psychological, sociological, and religious. Text is supplemented by special investigations.
Pre-requisite I. Open to Juniors.
Three hours per week, second semester.

(b) HISTORY OF EDUCATION

The functional aspects of the history of education are traced thru Ancient, Mediaeval and Modern periods, as shown in individual and social aims. Text, lectures and reports.
Open to Juniors.
Three hours per week, second semester.

IX. HISTORY OF PHILOSOPHY

The course traces the development of philosophy from the Greek interpretation of the universe to the scientific explanation of the modern period. Careful attention is given to Plato and Aristotle; to the period of Scholasticism; and to the independent thinkers from Descartes to Kant. Throughout both semesters effort is made to correlate psychology as a factor in the interpretation of philosophic thought. Special studies supplement the text at historic epochs.
Open to Seniors.
Four hours per week, first semester.

X. History of Philosophy (continued).

Particular attention is given to the rise and development of the Kantian system; to Kant's influence upon subsequent thought; and to Post-Kantian Idealism in Europe and America, chiefly with reference to Hegelianism and its tendencies. Thesis required.

Open to Seniors.

Four hours per week, second semester.

XII. Contemporary Philosophy

The ruling ideas of present philosophic thought are viewed critically, while select reading from representative thinkers enables the student to construct for himself a clear, comprehensive and consistent philosophy of life.

Open to Seniors.

Three hours per week, second semester.

Note 1.—Of the 18 hours required for A. B. (Phil.), in addition to III, V, VI, courses I, IV, IX, X are required. The additional four hours may be selected from courses VII, VIII, XII.

Note 2.—Courses (a) and (b) of VII and VIII, are given in alternate years. Those of (b) are omitted in 1916-17.

PHYSICS

Herbert E. Marsh Professor

I. Mechanics, Molecular Physics and Heat

Altho the grasping of principles and not skill in manipulation is strongly emphasized, still the

fixing power of laboratory application is recognized. The purpose is to give the student an insight into the real significance of physical things, by putting him in touch with the methods and instruments of modern physical investigation and by carrying him thru the process of reasoning by which the present science of physics has been developed. Required of candidates for B. S. Degree in Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Prerequisite, one year of entrance Physics and Mathematics II and IV.

Recitation and lectures two hours and two laboratory periods per week, first semester.

II. Sound, Light, Electricity and Magnetism

Continuation of Physics I. Presented in a similar manner and with the same aim.

Required of candidates for B. S. Degree in the Sophomore year. Elective for A. B., Sophomores, Juniors and Seniors.

Recitation and lectures two hours and two laboratory periods per week, second semester.

III. Electrical Measurements

Various methods for exact determination of voltage, resistance, and current; also study and calibration of various types of galvanometers, voltmeters, ammeters, condensers, etc.

Elective for Juniors and Seniors.

One recitation and three laboratory periods per week, first semster.

POLITICAL AND SOCIAL SCIENCE

H. C. Tilton, Professor

I. Introduction to Sociology

A study of the origin and development of the family and the evolution of certain social institutions. Modern social problems such as divorce, immigration, pauperism, socialism, etc., will receive due attention.

Open to Sophomores.

Three hours per week, first semester.

II. Principles of Sociology

An analysis of social life and the forces producing social organization; application of principles to concrete problems. Text, lectures and reports.

Prerequisite Psychology and Course I.

Three hours per week, second semester.

III. Introduction to Economics

The development and significance of the characteristic features of economic life, the principles governing production, distribution and consumption, and the practical economic problems of modern life.

Open to Sophomores and Juniors.

Three hours per week, first semester.

IV. Introduction to Economics

Continuation of III.

Open to Sophomores and Juniors.

Three hours per week, second semester.

V. GOVERNMENT

A discussion of the essential constituent elements of the state; of the functions and sphere of the state; of citizenship and nationality; of constitutions, their nature sources and kinds; of the more important theories concerning the origin, nature, functions and organizations of the state.

Open to Juniors and Seniors.

Three hours per week, first semester.

VI. MUNICIPAL GOVERNMENT

Mainly a study of the modern American city will be made. The historical and comparative method will be used as examination is made of the government and experiences of European cities.

Open to Juniors.

Three hours per week, second semester.

VII. EUROPEAN GOVERNMENTS

A comparative study of the political institutions of the leading states of Europe.

Open to Sophomores and Juniors.

Three hours per week, first semester.

VIII. UNITED STATES GOVERNMENT AND POLITICS

The organization of state and national governments, their actual working and the history and function of political parties.

Open to Sophomores.

Three hours per week, second semester.

IX. International Law

A study of the general principles governing nations in their intercourse with each other, such as rules of peace and war, diplomatic usage and methods of arbitration. Special study of the Hague conferences.

Open to Juniors and Seniors.
Three hours per week, first semester.

X. Constitutional Law

Principles and development of American constitutional law. Lectures, reports and cases.

Prerequisite, V. or VIII.
Three hours per week, second semester.

XI. Economic Theory

Special studies in the leading problems of economic theory, such as the nature and origin of value, the laws of normal value and origin of interest.

Prerequisite, III and IV.
Three hours per week, first semester.

XII. Industrial Corporations

The course deals with the nature and history of corporations and their significance in modern life. Attention is given to the evils arising from growth of corporations and to various remedies proposed.
Prerequisite, III. and IV.
Three hours per week, second semester.

XIII. Money and Banking

Principles of money; recent monetary history; present problems with reference to the reform of the banking system in the United States.
Prerequisite, III and IV.
Three hours per week, first semester.

XIV. Labor Problems

History and development of organized labor, labor problems, and labor legislation.
Prerequisite, III and IV.
Three hours per week, second semester.

SPANISH

Edith A. Hill, Professor

I. First Year Spanish

Ready familiarity with the essentials of Spanish grammar, and systematic training in pronunciation, conversation and reading.
Four hours per week, first semester.

II. First Year Spanish

Continuation of Spanish I.
I. and II. continuous course.
Four hours per week, second semester.

III. Second Year Spanish

Selected texts from modern Spanish authors.
Three hours per week, first semester.

IV. Second Year Spanish

Continuation of Spanish III.
Three hours per week, second semester.

Schedule of Recitations

FIRST SEMESTER

7:45 O'CLOCK

Engineering VII					F
English C		T		Th	F
English XV	M	T	W		
Geology I	M	T			F
German I	M		W		
Greek A	M	T			
History III	M	T			
History XI			W	Th	F
Latin I			W	Th	F
Mathematics III		T		Th	F
Philosophy V			W	Th	
Philosophy VII		T			F
Physics I	M	T			
Physics III	M	T	W	Th	
Political Science V	M	T			F
Spanish I	M		W		
Spanish III		T		Th	F

8:45 O'CLOCK

Chemistry A	M	T			
Chemistry III			W		
English C			W		
English III	M	T	W		
French IX	M	T	W		
Geology I				Th	F
German I				Th	F
Greek A				Th	F
Greek I	M	T	W		
Harmony III	M			Th	
History V	M	T	W		
History of Art I		T			F
Mathematics I			W	Th	F
Philosophy I	M	T	W		
Physics I	M	T		Th	F
Physics III	M	T	W		
Political Science IX	M	T	W		
Spanish I				Th	F

9:45 O'CLOCK

Biology III			W		
Chemistry A	M	T	W	Th	F
Chemistry III			W		
English I (Section I)		T		Th	F
English V	M		W		
Harmony I		T			F
History VII	M		W		
Latin C	M	T	W	Th	
Mathematics V		T		Th	F
Philosophy III	M	T		Th	F
Physics A	M	T	W	Th	F
Political Science I		T		Th	F
Political Science XIII	M		W		

10:45 O'CLOCK

Biology III		T	W	Th	F
Chemistry I				Th	F
Chemistry III			W		
Chemistry V	M	T			
Engineering VII	M	T	W		
English A	M	T	W	Th	
English I (Section II)	M	T	W		
French I	M		W	Th	F
Greek VII	M	T	W		
History I	M			Th	F
History VII		T			
Mathematics VII			W	Th	F
Physics A				Th	F
Political Science XI	M			Th	F
Political Science XIII		T			

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Bible I			W		F
Biology I		T	W	Th	F
Chemistry I	M	T			
Chemistry III				Th	F
Chemistry V				Th	F
Engineering I				Th	F
Engineering III	M	T	W		
Engineering V				Th	F
English VII	M	T	W		
English IX		T		Th	F
English XXV			W		
German III	M	T		Th	
Greek A	M	T	W	Th	
History IX				Th	
History XIII	M	T	W		
Mathematics C			W	Th	F
Political Science VII	M	T	W		

2:00 O'CLOCK

Biology I		T			
Chemistry I	M	T			
Chemistry III				Th	F
Chemistry V				Th	F
Engineering I				Th	F
Engineering III	M	T			
Engineering V				Th	F
English XI				Th	F
English XXV			W		
English XXVII				Th	F
French III	M	T		Th	
German V	M	T	W		
History A	M	T	W	Th	
History of Art III		T			F
History of Music I	M			Th	
Latin III		T	W	Th	
Philosophy IX	M		W		F
Political Science III	M	T	W		

3:00 O'CLOCK

Chemistry I	M	T			
Chemistry III				Th	F
Chemistry V				Th	F
Engineering V				Th	F
Latin A	M	T	W	Th	
Mathematics A	M	T	W	Th	

SECOND SEMESTER

7:45 O'CLOCK

Engineering VI			W	Th	
Engineering VIII					F
English D		T		Th	F
English XVI	M	T	W		
Geology II	M	T			F
German II	M		W		
Greek B	M	T			
History IV	M	T			
History XII			W	Th	F
Latin II			W	Th	F
Mathematics IV		T		Th	F
Philosophy VI			W	Th	
Philosophy VIII	M	T			F
Physics II	M	T			
Political Science VI	M	T			F
Spanish II	M		W		
Spanish IV		T		Th	F

8:45 O'CLOCK

Chemistry B	M	T			
Chemistry IV			W		
English D			W		
English IV	M	T	W		
Forestry I	M	T	W		
French X	M	T	W		
Geology II				Th	F
German II				Th	F
Greek B				Th	F
Greek II	M	T	W		
Harmony IV	M			Th	
History VI	M	T	W		
History of Art II		T			F
Mathematics II			W	Th	F
Philosophy VI		T			
Philosophy XII	M		W		
Physics II	M	T		Th	F
Political Science X	M	T	W		
Spanish II				Th	F

9:45 O'CLOCK

Biology IV			W		
Chemistry B	M	T	W	Th	F
Chemistry IV			W		
English II (Section I)		T		Th	F
English XVIII	M		W		
Harmony II		T			F
History VIII	M		W		
Latin D	M	T	W	Th	
Mathematics VI		T		Th	F
Philosophy IV	M	T		Th	
Physics B	M	T	W	Th	F
Political Science VIII		T		Th	F
Political Science XIV	M		W		

10:45 O'CLOCK

Biology IV		T	W	Th	F
Chemistry II				Th	F
Chemistry IV			W		
Chemistry VI	M	T			
Engineering VIII	M	T	W		
English B	M	T	W	Th	
English II (Section II)	M	T	W		
English XVIII					F
French II	M		W	Th	F
Greek VIII	M	T	W		
History II	M			Th	F
History VIII		T			
Mathematics VIII			W	Th	F
Physics B				Th	F
Political Science XII	M			Th	F
Political Science XIV		T			

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Bible II			W		F
Biology II		T	W	Th	F
Chemistry II	M	T			
Chemistry IV				Th	F
Chemistry VI				Th	F
Engineering II				Th	F
Engineering IV	M	T	W		
Engineering VI					F
English VIII	M	T	W		
English X		T		Th	F
English XXVI			W		
German IV	M	T		Th	
Greek B	M	T	W	Th	
History X				Th	
History XIV	M	T	W		
Political Science II	M	T	W		

2:00 O'CLOCK

Biology II		T			
Chemistry II	M	T			
Chemistry IV				Th	F
Chemistry VI				Th	F
Engineering II				Th	F
Engineering IV	M	T			
Engineering VI					F
English XX				Th	F
English XXVI			W		
English XXVIII				Th	F
French IV	M	T		Th	
German VI	M	T	W		
History B	M	T	W	Th	
History of Art IV		T			F
History of Music II	M			Th	
Latin III		T	W	Th	
Philosophy X	M		W		F
Political Science IV	M	T	W		

3:00 O'CLOCK

Chemistry II	M	T			
Chemistry IV				Th	F
Chemistry VI				Th	F
Latin B	M	T	W	Th	
Mathematics B	M	T	W	Th	

College of Fine Arts

DEPARTMENT OF MUSIC AND ART

GENERAL INFORMATION

In accordance with the plan followed in connection with the other departments of the University, provisions have been made for the most thorough and advanced work in the Department of Music and Art.

The line of work in the University course in Music, conferring the degree of Bachelor of Music, corresponds with that of some of the European Universities.

Preparatory, or Elementary work has also been provided to accommodate those who have not the proper number of entrance requirements for registration in the College work in Music. Saturday classes for children and young people in both Piano and Art provide a valuable opportunity for the cultivation of talent in the early years, under the guidance of competent instructors, who are under the supervision of the Dean of the College of Fine Arts.

Realizing the extent to which superior musical efficiency is attainable only in conjunction with the highest cultural development, stress is laid upon this phase of the students' growth; and special attention is directed to such courses in the other departments of the University as will prove of value in this respect to Music and Art students.

A Choral Society under the direction of the Head of the Department of Voice gives opportunity for expression and development of musical ability to the students of the entire University.

The College of Fine Arts is prepared to furnish the following eminent soloists for concerts, recitals, etc., in whole or in part.

Olga Steeb, the celebrated pianist.

Oskar Seiling, the famous violinist.

Dean Chas. Edward Hubach, noted tenor.

Mrs. Carroll B. Smith, organist.

Also the University Octet is open to a limited number of engagements.

For particulars and terms, address the Dean of the College of Fine Arts, University of Redlands, Redlands, California.

Classes in the Department of Music will be organized at the beginning of the college year, as indicated in the Calendar.

Special lessons may be begun at any time.

Piano practice mav be arranged for at the Fine Arts Building or Bekins Hall.

DEPARTMENTS, DEGREES AND REQUIREMENTS

DEPARTMENTS

The College of Fine Arts is made up of the following Departments:

(1) Music. (2) Drawing and Painting.

DEGREES AND CERTIFICATES

A Diploma conferring the degree of Bachelor of Music, will be awarded to those who complete the required courses.

A Special Diploma conferring the degree of Bachelor of Music will be awarded to those who complete the required courses with high standing in all subjects as well as in public performance.

REQUIREMENTS FOR ADMISSION

There are two methods of admission to the College of Fine Arts, (1) by Examination, (2) by Certificate.

By Examination:—All students who cannot present certificates from accredited schools will be examined in the subjects required for entrance.

By Certificate:—Students will be admitted without examination on certificates from accredited High Schools or other preparatory schools, signed by the proper school officer. (For details of units required, see page thirty.)

In Piano and Organ:—Applicants are required in addition to the above to pass an examination embracing the following or their equivalent:

1. An exercise. 2. Selections from Bach. 3. Sonata—Classical School.

In Voice and Violin:—Applicants for the regular course in Voice, or Violin must be able to play Piano accompaniments of moderate difficulty. Any deficiencies in this respect must be made up before graduation.

SPECIAL STUDENTS IN MUSIC

Students need not be deterred from seeking to enter the School of Fine Arts of the University because they can not satisfy all the requirements for full admission to that school. Those requirements are for persons who are candidates for a degree in music. All persons who desire to pursue a special line of work, without conforming to the requirements for entrance, or following a prescribed course, may apply for admission to the School of Fine Arts as special students. The admission of such persons is under the control of the Dean, to whom they should apply, and whose certificate of acceptance must be presented to the Registrar before registration.

REQUIREMENTS FOR GRADUATION

No student will be permitted to graduate from the Department of Music, College of Fine Arts, who has not credit for the requisite number of hours as designated below, and two years of physical education, and who has not taken at least one year of regular work at the University.

The required work leading to the different degrees is as follows:

Bachelor of Music in Voice

Voice	16 hours
Piano (Special)	8 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour

English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Sight Singing and Ear Training	4 hours
Total Required	80 hours
Electives	8 hours
Total	88 hours

Bachelor of Music in Piano

Piano	16 hours
History of Music	4 hours
Theory	8 hours
Choral	1 hour
Sight Singing and Ear Training	2 hours
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Biblical Studies	2 hours
One additional Instrument or Voice	4 hours
Total Required	74 hours
Elective	8 hours
Total	82 hours

Note—For description of required Liberal Arts courses, see Departments of Instruction, College of Liberal Arts.

Bachelor of Music in Violin

Violin	16 hours
Piano (Prep.)	8 hours
History of Music	4 hours
Theory	8 hours
Sight Singing and Ear Training	2 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Total Required	78 hours
Electives	4 hours
Total	82 hours

Bachelor of Music in Organ

Organ	8 hours
Piano	8 hours
History of Music	4 hours
Theory	8 hours
Sight Singing and Ear Training	2 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Biblical Studies	2 hours
Voice	4 hours
Total Required	74 hours
Electives	8 hours
Total	82 hours

ART

Students for the Art Department will be admitted at any time, but not for less than one semester except by special arrangement with the Dean.

Instruction in all Art classes is individual. Advancement of each student depends upon the degree of proficiency attained.

ADDITIONAL REQUIREMENTS

ARTISTS' COURSE—COLLEGIATE COURSE

These courses are identical in outline, but students in the Artists' course are expected to do a larger amount of work, to maintain the highest grade in all musical subjects, and give a graduating recital. This is not required in the collegiate course, which is intended for those who wish to fit themselves for teachers or take music for personal culture rather than to become public performers. After the second year students are graded in the two courses according to their standing.

Students who are backward in technical development at the end of the Sophomore year must make up the deficiency by special work in Piano before they receive Junior standing.

CONCERTS AND RECITALS

Concerts are frequently given in Recital Hall, by the Faculty and advanced students.

Concert courses which are arranged for at special rates by the Spinet Club of Redlands, afford students an opportunity to hear many noted musicians.

Recitals are given semi-monthly by the students of the College of Fine Arts at which works studied in the class room are performed before audiences of fellow students and their friends. All Fine Arts students are required to attend these concerts and recitals, and to take part in programs at least twice a year and to present, each semester, a record of attendance. These semi-public appearances are of great assistance in enabling the student to acquire the ease and self-possession so essential to a successful public appearance.

At the close of the College year, during Commencement Week, the Anniversary Recital of the College of Fine Arts, Department of Music is held; at which the students doing the best work in performance at the above-mentioned recitals will be heard.

EXPENSES

A Matriculation fee of Five Dollars is required of each student on registration at the offices of the University.

Rates with heads of departments: Per semester, 16 weeks.

Voice, two periods per week	$98.00
Voice, one period per week	49.00
Voice, (3 in class) two periods per week	64.00
Voice, (3 in class) one period per week	32.00
Piano, two periods per week	98.00
Piano, one period per week	49.00
Organ, two periods per week	64.00
Organ, one period per week	32.00
Violin, one period per week	49.00

Rates for Special Students.

(Private lessons at stated rates may be begun at any time during the year, students paying for the individual lessons proportionately.)

Rates with Instructors.

Piano, two periods per week	64.00
Piano, one period per week	32.00
Piano, two periods per week	42.00
Piano, one period per week	22.00
Piano (Saturday class for young people)	12.00
Violin, two periods per week	42.00
Violin, one period per week	22.00

Rates for Art students.

Drawing and Painting, five hours per week	50.00
Drawing and Painting, two hours per week	20.00
Children's Class, (Saturdays) one hour	12.00
Practice Piano fee, per semester	5.00

The other courses required in the College of Fine Arts are class subjects, and are paid for at the regular rate of $16.00 for each five hours of class recitation.

DEPARTMENTS OF INSTRUCTION

ART

Kate Watkins, Head of Art Department

Complete course in the following:

Drawing.
Modelling in clay.
Painting in oil and water color.
Working from the cast, still life, and model.
Composition and designs.
Out-door sketching.

The following course is designed for those who wish to prepare themselves for teachers of Art. A certificate of proficiency will be awarded for the satisfactory completion of this course which is open to graduates of recognized high schools:

Studio work	18 hours
Art History	8 hours
English	6 hours
Psychology	4 hours
Ethics	3 hours
Modern Languages	14 hours
Biblical Studies	2 hours
Electives	10 hours
Total	65 hours

STUDIO WORK

Charcoal drawing from cast and still life.
Pen and ink, and pencil drawing.
Modelling in clay.
Painting in oil and water color, from still life and model.
Outdoor sketching.
Composition and design.
Painting from life. (Tuesdays and Fridays only.)
Artistic anatomy—Perspective.

I. Ancient and Mediaeval Architecture.
Renaissance and Modern Architecture.
Two hours per week, first semester.

II. Sculpture, Ancient and Modern.
Two hours per week, second semester.

III. Painting, Early Painting and Renaissance.
Two hours per week, first semester.

IV. Painting, Modern.
Lecture courses, supplemented by collateral reading and picture study.
Two hours per week, second semester.

THE DUNNING SYSTEM

Annette Cartlidge, Instructor

A system of music study by which beginners of any age are taught the first principles of sight-reading, harmony, history, ear-training, technique, memorizing and transposing.

PIANO

Olga Steeb Keefer, Professor
Annette Cartlidge, Instructor
Flora Cordelia Cook, Instructor

I. First Year Piano

Technical training according to the principles of modern piano technique. Systematic training in art-principles of technique, phrasing and tone-quality.
Elementary study of the characteristics of the various classic composers. Repertoire of selections from standard works by the best composers.
Berens, Czerny, Heller, Bach.
Required of Freshmen for degree of Mus. Bac. in Piano and Organ.
Two hours per week, first semester.

II. Continuation of Piano I.

Technical training.
Continuation of classical study (at least two Sonatas).
Repertoire of selections from the works of the best composers, classic and romantic.
Required of Freshmen for degree of Mus. Bac. in Piano and Organ.
Two hours per week, second semester.

III. Continuation of Piano II.

Technical training—Czerny, Cramer, Kulak.—Study of the characteristics of the various classic composers. Repertoire.
Required of Sophomores for degree of Mus. Bac. in Piano and Organ.
Two hours per week, first semester.

IV. Continuation of Piano III.

Technical training—Continuation of classical study (at least two Sonatas). Repertoire.
Required of Sophomores for degree of Mus. Bac. in Piano and Organ.
Two hours per week, second semester.

V. Continuation of Piano IV.

Technical training. Romantic School. Beethoven.—Sonatas. Repertoire.

Exercises for the independence of the fingers, I. Phillip. Studies of Clementi, Cramer, Czerny (Op. 740) and others as needed. Bach.
Required of Juniors for degree of Mus. Bac. in Piano.
Two hours per week, first semester.

VI. Continuation of Piano V.

Technical training.—Bach (continued.) Beethoven (continued.)
The Romantic School.
Two hours per week, second semester.

VII. Continuation of Piano VI.

Technical training.
Studies selected from the works of the greatest masters of pianistic literature.
Required of Seniors for degree of Mus. Bac. in Piano.
Two hours per week, first semester.

VIII. Continuation of Piano VII.

Technical training. Interpretations (Christiani, Art-principles.) Pedagogics (for prospective teachers.)

Required of Seniors for degree of Mus. Bac. in Piano.
Two hours per week, second semester.

PUBLIC SCHOOL MUSIC

Mrs. Gertrude Butler, Instructor

The University offers unusual advantages to students wishing the best preparation for efficient teaching, especially to those who wish to prepare themselves to teach music in high schools in addition to German, English, or some other subject.

Teachers with experience in public schools and with some musical training, who desire to enter a special field, will find the course suited to their needs. Students may combine work in this department with the four years course in Liberal or Fine Arts.

I. and II. First Year

Fundamentals of music teaching in the kindergarten:
Rhythmic expression.
Singing games.
Song interpretation.
Individual singing.
Work with monotones.
Original and creative songs.
Fundamentals of music teaching in the primary grades, including first, second, and third grades.
The work of the kindergarten expanded and enlarged.
Introducing scale songs, syllables, scale names, meaning of lines and spaces, whole, half, quarter, and eighth notes, the staff and clef, and chart work.
Practice teaching with children of kindergarten and primary age, including both instrumental and voice work.

III AND IV. CONTINUATION OF SCHOOL MUSIC I-II.

Fundamentals of music teaching in the fourth, fifth, sixth, seventh, and eighth grades.
Work of early grades continued and advanced.
High School course outlined.
Chorus, Orchestra, and Glee Clubs.
Materials, practice teaching, musical appreciation.

V. SIGHT SINGING AND EAR TRAINING
The Dunning System.

UNIVERSITY CERTIFICATE OF PROFICIENCY IN SCHOOL MUSIC

Upon satisfactory completion of the following courses the student will be awarded a certificate of proficiency in public school music:

Kindergarten and early grades	2 hours
Advanced grades and high school	2 hours
History of music	4 hours
Theory of music (harmony)	8 hours
Choral	2 hours
Piano (Prep.)	4 hours
Voice	4 hours
Sight Singing and Ear Training	4 hours
English	6 hours
Modern Languages	6 hours
History	3 hours
Psychology	4 hours
Biblical studies	2 hours
	51 hours

THEORETICAL SUBJECTS

HARMONY, COUNTERPOINT, FORM AND COMPOSITION

Flora Cordelia Cook, Instructor

I. THEORY

The rudiments of music. Major and minor scales. Intervals. Chords and their inversions.

Required of Freshmen for degree of Mus. Bac.

Two hours per week, first semester.

II. CONTINUATION OF HARMONY I.

Harmonization of figured basses and melodies using triads.

Required of Freshmen for degree of Mus. Bac.

Two hours per week, second semester.

III. CONTINUATION OF HARMONY II.

The dominant seventh and ninth chords and their inversions. Modulation. Secondary sevenths.
Required of Sophomores for degree of Mus. Bac.
Two hours per week, first semester.

IV. CONTINUATION OF HARMONY III.

Suspensions and embellishments.
Diminished seventh chords.
Chromatic harmony.

Required of Sophomores for degree of Mus. Bac.
Two hours per week, second semester.

V. CONTINUATION OF HARMONY IV.

Counterpoint. Canon and Fugue.
Two hours per week, first semester.

VI. Continuation of Theory V.
Harmonic analysis and musical form.
Two hours per week, second semester.

VII. Continuation of Theory VI.
Free composition and orchestration analysis.
Two hours per week, first semester.

VIII. Continuation of Theory VII.
General review of Theory V, VI, and VII.
Two hours per week, second semester.

VIOLIN

Oskar B. Seiling, Professor

I. First Year Violin
Joachim method, first part of Book I.
Violine Technique; Sevcik, Book I.
Training of ear; bowing and left hand.

II. Continuation of Violin I.
Joachim methods, second part of Book I.
Violine Technique; Sevcik.
Etudes: Kayser, Mazas, Herman, etc.
Easy solos from the different composers.

III. Second Year Violin
Joachim method, third part of Book I.
Violine Technique; Sevcik Book II.
Scales and other studies; Haroldi.
Etudes: Mazas, Leonard, Dont, etc.
Solos according to ability of student.

IV. Continuation of Violin III.

Joachim method, fourth part of Book I.

Violine Technique; Sevcik.

School Concerti and other selections; Ries, Viotti, Rode, etc.

V. Third Year Violin

Joachim method, Book II.

Violine Technique; Sevcik.

Etudes: Herman, Dont, Mazas, etc.

Concerti, Sonate and other solos from modern and old composers.

VI. Continuation of Violin V.

Joachim method.

Violine Technique; Sevcik.

Concerti, Sonate and other solos from Beethoven, David, Massenet, Couperin, Brahms, Bach, etc.

VII. Third Year Violin

Joachim method.

Violine Technique; Sevcik.

Etudes: Rode, Leonard, Campanolli, etc.

Concerti: Spohr, Vitalli, Lipinski, etc.

Sonate: Veraccini, Tartini, Corelli, Bach.

VIII. Continuation of Violin VII

Joachim method.

Violin Master Technique; Sevcik.

Etudes: Leonard, Petri, Dont, Vieuxtemps, Paganini.

Concerti for finish and interpretation: Saint-Saens, Mendelssohn, Wieniawski, Beethoven, Paganini, etc.

VOICE

Charles Edward Hubach, Professor

I. First Year Voice

Systematic training in voice production. Ear and mental training in regard to tone-quality.
Concone's Fifty Lessons for Medium Part of Voice.
Required of Freshmen for degree of Mus. Bac. in Voice.
Two hours per week, first semester.

II. Continuation of Voice I.

Physical training in regard to tone-quality.
Bel Canto. Anthology of Italian Song, embracing the pre-classical song writers, Peri, Caccini, Carissimi and Monteverdi.
Required of Freshmen for degree of Mus. Bac. in Voice.
Two hours per week, second semester.

III. Second Year Voice

Continuation of Voice II. Voice from Psychological view point, Interpretation. Continuation of Anthology of Italian Song, volumes I and II. Early classics of Italian School: Scarlatti, Handel, Caldara, Gluck, etc.
Required of Sophomores for degree of Mus. Bac. in Voice.
Two hours per week, first semester.

IV. Continuation of Voice III.

Concone's Forty and Twenty-five Lessons for Medium Part of Voice. English and American picture study.

Sacred Song Literature for Protestant Churches. English and American Simple Secular Song Literature.

Two hours per week, second semester.

V. Third Year Voice

Continuation of Voice IV. Concone's Fifteen Lessons. Later Italian Classics: Mozart, Haydn, Rossini, Donizetti, Bellini, Verdit, etc., Oratorio opera. Required of Juniors for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

VI. Continuation of Voice V.

Trills, cadenze and general training in agility.

English and American general song literature of medium difficulty. Oratorio opera.

Required of Juniors for degree of Mus. Bac. in Voice.

Two hours per week, second semester.

VII. Fourth Year Voice

Continuation of Voice VI. Ensemble singing.

General old and new opera.

German and French song literature, including Schumann, Schubert, Brahms, Franz, Grieg, etc.

Gounod, Massenet, Saint Saens, etc. Oratorio opera. Required of Seniors for degree of Mus. Bac. in Voice.

Two hours per week, first semester.

VIII. Continuation of Voice VII.

Dramatic singing or singing with action.

General International Repertoire (compositions sung in the original languages). Oratorio opera.

General training for teachers of voice.

Required of Seniors for degree of Mus. Bac. in Voice.

Two hours per week, second semester.

Preparatory Department

GENERAL INFORMATION

The University authorities have determined, for a few years at least, to maintain a preparatory department, covering approximately the last two years of the regular high school or academy courses. The work in these classes will be given in so far as possible, by the regular professors in the University.

Students contemplating entering the academy should request the superintendent of the school last attended to forward to the Registrar of the University a certificate showing the work for which credit will be asked. The entrance requirements for this department presuppose that the student has completed the work for the first two years in some accredited high school.

Students expecting to take the entrance examinations should present themselves to the Dean on the dates set for such examinations (see Calendar.)

The system of grading, the regulations as to work and examinations, and all general rules and regulations of the University apply also to the Academy. Upon request, parents of the students in the Academy will be kept informed as to the character of the work being done.

Graduates from the Academy will be granted a diploma showing completion of this work and will be admitted to the University without examination.

To that student graduating from the Academy with the highest average grade of work done in residence of at least one year will be granted a prize in the form of a free tuition in the College of Liberal Arts for one semester, providing such work is taken during the year immediately following that in which said student completed the Academy.

FIRST YEAR

First Semester

English, A—Composition.—College entrance requirements.
Latin, A.—Cicero—Orations and letters.
Greek, A.—Elementary.
French, A.—Elementary.
German, A.—Elementary.
Mathematics, A.—Plane Geometry.
Chemistry, A.—Elements of Chemistry.
Zoology, A.—Elementary.
Physical Education.

Second Semester

English, B.—College entrance requirements.
Latin, B.—Cicero.—Orations and letters.
Greek, B.—Elementary.
French, B.—Elementary.
German, B.—Elementary.
Mathematics, B.—Plane Geometry.
Chemistry, B.—Elements of Chemistry.
Zoology, B.—Elementary.
Physical Education.

SECOND YEAR

First Semester

English, C.—Rhetoric and college entrance requirements.
History, A.—American History and Civics.
Latin, C.—Vergil.—Aeneid.
Greek, C.—Xenophon.—Anabasis.
French, C.—Second Year French.
German, C.—Second Year German.
Mathematics, C.—Intermediate Algebra.
Mathematics, D.—Solid Geometry.
Physics, A.—Elementary.
Physical Education.

Second Semester

English, D.—Argumentation.—College entrance requirements.
History, B.—American History and Civics.
Latin, D.—Vergil.—Aeneid.
Greek, D.—Xenophon.—Anabasis.
French, D.—Second Year French.
German, D.—Second Year German.
Physics, B.—Elementary.
Physical Education.

All Academy classes meet four hours per week, except the second year Modern Languages, which meet three hours per week, Chemistry and Physics which meet five hours per week and Physical Education which meets twice a week. For details of work see Admission and Admission by Certificate.

Register of Students

For the Year 1915-16

Abbey, J. Walker, Fr. .....Alhambra, Cal.
Ahlstrom, Eleanor Christine, Fr. .....Los Angeles, Cal.
Alcantara, Pedro, Prep. .....Philippine Islands
Alford, Nellie Lorena, Soph. .....Long Beach, Cal.
Alverson, Harvey, Mu. .....Redlands
Andrews, Aileen Ruth, Fr. .....Redlands
Arth, Edna, Mu. ..... Redlands
Ashleigh, Warren, Fr. ..... Redlands
Avey, Helen, Spl. .....Redlands
Ayers, Anna Meeker, Mu. ..... Redlands
Backlund, Wm. Balder, Soph. .....Kingsburg, Cal.
Ballard, Adah Cleo, Mu. .....Redlands
Bamford, Edwin F., Prep. .....Los Angeles, Cal
Batterson, Beatrice, I., Mu. .....Redlands
Bayerle, Elwood D., Soph. .....Redlands
Beecher, Euphemia, Prep. ..... Stockton, Cal.
Bemis, Eva May, Fr. .....Rialto, Cal.
Benson, Rhoda, Soph. .....E. Highlands, Cal.
Black, Carolina A., Jun. .....Redlands
Bland, Clifford, Soph. .....Redlands
Blowers, Francis Emile, Prep. ..... Madera, Cal.
Blowers, Edith Jeannette, Jun. .....Madera, Cal.
Brown, Merlin Monroe, Soph. ....San Bernardino, Cal.
Burkey, Ulysses, Mu. .....San Bernardino, Cal.
Campbell, Anne Jane, Soph. .....Pasadena, Cal.

Campbell, Clinton Calvin, Soph. .....Pasadena, Cal.
Carlisle, Ruth, Fr. .....Pasadena, Cal.
Cartlidge, Annette, Mu. ..... Redlands
Cary, May, Fr. .....Babtiste, Cal.
Cegavske, Harry F., Prep. .....Redlands
Chesnut, Christine, Soph. .....Redlands
Childs, Madeleine Barnes, Mu. ..... Riverside, Cal.
Childs, Philip C., Fr. .....Redlands
Christensen, Nellie E., Soph. ..... Selma, Cal.
Cocking, Arthur H., Soph. ..... Vancouver, Canada
Coggins, Ruth Mason, Fr. .....Phoenix, Ariz.
Cogswell, Forrest Lee, Fr. .....San Bernardino, Cal.
Cook, Flora C., Mu. ..... Redlands
Cooper, Frederick Leonard, Jun.....Santa Barbara, Cal.
Covington, Rita, Mu. ..... Redlands
Cyren, Hilma Elevera, Sen. .....Riverside, Cal.
Dallas, Pauline, Fr. .....Bryn Mawr, Cal.
Davis, Dorothy Irene, Soph. .....Hemet, Cal.
Davis, Ruth F., Jun. ..... Hemet, Cal.
Deming, Harry Tyler, Mu. .....Redlands
Diels, Marguerite, Soph. .....Redlands
Donald, Gordon McIntosh, Soph. .....Redlands
Donald, Lawrence Challiss, Prep. ....Los Angeles, Cal.
Draeger, Alma Angela, Mu. .....Aberdeen, S. D.
Elliott, Elsie Jewell, Soph. .....Pasadena, Cal.
Fagg, Fred D., Fr. ..... San Diego, Cal.
Farnsworth, Blanche, Fr. ..... Maumee, Ohio
Fehn, Frank von, Mu. .....San Bernardino, Cal.
Fitzsimmons, Helen K., Mu. ..... Redlands

Ford, Clarence Ingman, Soph. ....Ceres, Cal.
Ford, Charlotte Louise, Mu. ....Redlands
Ford, Paul Woodford, Fr. ..... Redlands
Frost, Marie M., Mu. .....Redlands
Geddes, Ernest Roderic, Soph. .....Long Beach, Cal.
Geistweit, Harold N. Jun. .....San Diego, Cal.
Gillett, Charles Edwin, Jun. ..... Holtville, Cal.
Gleason, Floy Fern, Soph. ..... Corona, Cal.
Gore, Dennis A., Jun. .....Redlands
Graham, Mae Clifton, Prep. .....Los Angeles, Cal.
Gregg, Opal, Mu. .....Redlands
Hammond, Adelaide, Mu. .....Redlands
Hansen, Oscar Bernard, Mu. ..... Mornence, Ill.
Harrison, Blanche, Soph. .....San Luis Obispo, Cal.
Harmon, Florence Louise, Art ....Redlands
Harvey, Mary Racheal, Fr. .....Long Beach, Cal.
Haskell, Fessenden, Soph. .....San Bernardino, Cal.
Hatch, Flora Faith, Jun. ..... Highland, Cal.
Hatcher, Abell Perry, Soph. .....Redlands
Hatcher, Joybell, Mu. ..... Redlands
Hazzard, Lucy Lockwood, Sen. .....Redlands
Hedstrom, George, Soph. ..... Anaheim, Cal.
Helsley, Jennie Carol, Soph. ..... Ceres, Cal.
Henricksen, Inez V., Mu. ..... Highland, Cal.
Hentschke, Armin Carl, Sen. .....Redlands
Hentschke, Hildegarde Clara, Soph. .....Redlands
Higbey, Willis, Fr. .....Redlands
Hill, Herbert Eugene, Fr. ..... Redlands
Holcomb, Rollo, Mu. ..... Redlands

Hoffman, Marjorie C., Soph. .....Redlands
Holt, Marvin Greenwood, Soph. ..... Riverside, Cal.
Honeycutt, Everett Elmer, Soph. .....Madera, Cal.
Hooper, May F., Mu. ..... Redlands
Hubach, Mrs. C. E., Mu. .....Redlands
Hubble, Lucille Vivian, Soph. .....Lordsburg, Cal.
Hughes, Nellie, Mu. .....Redlands
Hull, Farwell, Prep. .....San Diego, Cal.
Hurlburt, Charles Greenleaf, Fr. ...Highland Park, Cal.
Husted, Otto Maxwell, Prep. .....Redlands
Hynson, Thomas McDonough, Fr. .....Redlands
Inglis, Beulah Inez, Fr. .....Redlands
Inocencio, Felipe, Prep. .....Philippine Islands
Jacobsen, Arthur D., Jun. ..... Selma, Cal.
Jacobsen, Emmanuel, Soph. ..... Selma, Cal.
Jennings, Gertrude, Fr. ..... Redlands
Johnson, Marie, Mu. .....Redlands
Johnson, Ruth Frances, Fr. .....Ogden, Utah
Jones, Victor L., Fr. ..... Yucaipa, Cal.
Jones, Mrs. S. Guy, Mu. .....Redlands
Kerr, Joseph Derry, Fr. ..... Redlands
Kincher, E. Othello, Soph. ..... Redlands
Kling, Margaret Hulbert, Fr. .....Santa Monica, Cal.
Knopp, Juliet Lee, Jun. ..... Mentone, Cal.
Kratsch, Louise Isobel, Mu. .....Milwaukee, Wis.
Lehigh, Lawrence R., Jun. .....Los Angeles, Cal.
Lee, Ruth, Sen. ..... Azusa, Cal.
Leonard, James R., Jun. .....Redlands
Lilley, Vina Myrtle, Soph. .....Beaumont, Cal.

Long, Esther Melora, Sen. ..... Perris, Cal.
Mahan, Miles, Fr. ..... Camarillo, Cal.
Mayfield, Mildred Marian, Prep. ....Los Angeles, Cal.
McCarty, Jewell, Mu. .....Fellows, Cal.
McKee, Claire, Spl. .....Redlands
McKee, Leo E., Spl. .....Redlands
Miner, Carl W., Mu. .....Redlands
Mitchell, Donald H., Soph. .....San Luis Obispo, Cal.
Mitchell, Elmer M., Soph. ..... Redlands
Monahan, Chas. W., Fr. .....San Bernardino, Cal.
Munzig, Elsie Reinhold, Mu. .....Redlands
Myers, Fayette S., Soph. .....Coronado, Cal.
Nixon, Herman W., Sen. ..... St. Paris, Ohio
Ogborn, A. Gerald, Prep. .....Redlands
Ogborn, Gladys Henrietta, Prep.....Redlands
Ott, Kathryn, Mu. .....Redlands
Ott, Mabel, Mu. ..... Redlands
Palmer, Gordon, Sen. .....Little Downham, Eng.
Parker, Florence Mable ..... San Bernardino, Cal.
Parmelee, Orrin Edgar, Soph. .....Redlands
Pearson, Alice Marie, Mu. .....Redlands
Pendleton, Dawson R., Soph. .....Holtville, Cal.
Phillips, Marjorie Alma, Fr. .....Porterville, Cal.
Phillips, Paul Bradley, Fr. .....San Bernardino, Cal.
Porter, Ora, Mu. .....Redlands
Pottenger, Edwin, Prep. .....Redlands
Raisner, C. Clement, Fr. .....Corning, Cal.
Randall, Margaret M., Mu. .....Redlands
Rawson, Griggs Holbrook, Prep. .....San Jacinto, Cal.

Redden, Anne Mary, Sen. .....Redlands
Rentfrow, Verdie M., Sen. .....Redlands
Robbins, Harwood, Fr. ..... Riverside, Cal.
Roberts, Chas. H. S., Spl. ..... Coalinga, Cal.
Roberts, Lawrence N., Prep. .....Hanford, Cal.
Rockhold, Edith Bonnie, Mu. .....Riverside, Cal.
Sargent, Esther, Art .....Redlands
Scott, Frances Miriam, Sen. .....Redlands
Seager, Helen Elizabeth, Fr. ..... Redlands
Setterlund, Gertrude Roberts, Sen. .....Redlands
Setterlund, Elmer Leonard, Sen. .....Redlands
Shamblin, Anna Mae, Fr. .....Mecca, Cal.
Shank, Philip, Prep. ..... Seattle, Wash.
Shank, Katherine, Prep. .....Seattle, Wash.
Sherrard, Lincoln Narl, Mu. .....Redlands
Sievert, Leo Ellsworth, Fr. .....Alhambra, Cal.
Simms, Mrs. LaRoy P., Mu. .....Riverside, Cal.
Slaton, Hazel, Fr. ..... Hemet, Cal.
Smith, Cleon Howe, Fr. .....Redlands
Smith, Irene Beavers, Fr. .....Redlands
Smith, Elizabeth Irene, Jun. .....Madera, Cal.
Stamps, Mary Louise, Soph. .....So. Pasadena, Cal.
Stannard, Alonzo Lockwood, Fr. .....Redlands
Stewart, Genevieve, Spl. ..... Perris, Cal.
Strait, Lyla Huston, Fr. .....Redlands
Stubbs, Aileen, Soph. ..... Redlands
Suess, Dorothy, Mu. .....Redlands
Sykes, Eleanor Zader, Soph. .....Redlands
Symmes, Eleanor A., Spl. .....Redlands

Treat, Mila Hakes, Sen. ..... Pasadena, Cal.
Trine, F. Leesyl, Fr. .....Madera, Cal.
Truslow, Bertha Connie, Soph. .....Highland, Cal.
Truslow, Hazel, Mu. .....Redlands
Truslow, Edythe, Mu. ..... Redlands
Turrill, Gardner Stilson, Jr., Jun. .....Redlands
Turrill, May Emeline, Jun. .....Redlands
Turrill, Lillian E., Fr. .....Redalnds
Tuttle, A. Marsh, Soph. .....So. Pasadena, Cal.
Tyrrell, Harold Herbert, Prep. .....Madera, Cal.
Van Vliet, Jacob, Fr. .....Redlands
Ward, Ruth Clarissa, Sen. .....Upland, Cal.
Warren, Walter, Fr. .....Escondido, Cal.
Weber, Lotta Louise, Sen. .....E. St. Louis, Ill.
Weed, Oliver Marion, Soph. ..... Redlands
Wellman, Helen, Mu. ..... Redlands
Wells, Margaret, Mu. .....Redlands
Welton, Frances, Mu. .....Redlands
Wieder, Ferdinand W., Fr. .....Craftonville, Cal.
Williams, Joshua, Jun. .....Wales, Gr. Br.
Wilson, W. Rollo, Fr. .....Redlands
Wisdom, Gaile Lessie, Sen. .....Escondido, Cal.
Wisdom, Eva Marie, Soph. .....Escondido, Cal.
Wolflin, George Lewis, Fr. .....Redlands
Wyatt, Grace, Mu. .....San Bernardino, Cal.
Zimmerman, G. Frank, Fr. .....Ogden, Utah

Total 196

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UNIVERSITY
OF
REDLANDS
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UNIVERSITY OF REDLANDS

Ninth Annual Announcement

Redlands, California

1917-1918

ENTERED AS SECOND CLASS MATTER, MAY 1, 1911,
AT THE POSTOFFICE AT REDLANDS, CALIFORNIA,
UNDER THE ACT OF JULY 16, 1894.

CITROGRAPH PRESS, REDLANDS

Calendar

1917

	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
July	1	2	3	4	5	6	7
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1918

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College Calendar

1917

September 17th and 18th, Monday and Tuesday—Entrance examinations and registrations for First Semester.

Note—The Monday registration is especially intended for students of Redlands.

September 19th, Wednesday—First Semester begins with Assembly at 10:00 a. m.

November 29th, Thursday, to December 3d, Monday, at 1:00 p. m., Thanksgiving Recess.

December 19th, Wednesday—Christmas Vacation begins at 4:00 p. m.

1918

January 3rd, Thursday—Christmas Vacation ends at 7:45 a. m.

January—Monday following meeting of Southern California Baptist convention, semi-annual meeting of Board of Trustees, 1:00 p. m.

January 28th, 29th, 30th and 31st, Monday, Tuesday, Wednesday, and Thursday—Mid-year examinations.

February 1st, Friday—Second Semester begins at 7:45 a. m.

February 28th, Thursday—Day of Prayer for Colleges.

March 29th, Friday—Spring Vacation begins at 4:00 p. m.

April 8th, Monday—Spring Vacation ends at 1:00 p. m.

June 11th, 12th, 13th, and 14, Tuesday, Wednesday, Thursday and Friday—Final examinations.

June 15th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 16th, Sunday—Baccalaureate Sermon, 11 a. m.
Service, 7:30 p. m.

June 17th, Monday evening—Annual Zanjafiesta.
Semi-annual meeting of the Board of Trustees, 1:00 p. m.

June 18th, Tuesday—Alumni meeting and banquet, 11:00 a. m.
Class Day.

June 19th, Wednesday—Commencement, 10:30 a. m.
College Dinner.

Board of Trustees

MEMBERS OF THE BOARD

TERM EXPIRING 1918

Mattison B. Jones, Los Angeles.
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Weymouth Crowell, Los Angeles.
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G. Rupert Johnson, Los Angeles.
Mrs. Mary Montgomery Folkins, Redlands-Alumni Representative.

TERM EXPIRING 1919

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J. Harvey Deere, Fresno.
J. Whitcomb Brougher, Los Angeles.
J. H. Strait, Redlands.
W. H. Fowler, Ontario.
W. F. Harper, Pomona.
J. W. Curtis, San Bernardino.
Mrs. Martin Bekins, Los Angeles.
Harry L. Boardman, Riverside.

TERM EXPIRING 1920

J. P. Haddock, San Diego.
G. S. Turrill, Redlands.
Arthur Gregory, Redlands.
W. F. Wood, Glendale.
Otto S. Russell, Santa Ana.
Geo. D. Knights, Long Beach.
James A. Francis, Los Angeles.
F. C. Lovett, Tulare.
Daniel Smiley, Redlands.

OFFICERS OF THE BOARD

Mattison B. Jones, President, - - - Los Angeles
H. W. Hellman Building

J. H. Merriam, Vice-President - - - Pasadena

J. W. Curtis, Secretary, - - - San Bernardino
No. 680 E Street

Geo. P. Cortner, Business manager and
Field Representative - - - - Redlands

J. Margaret Swope, Assistant Treasurer, San Bernardino

EXECUTIVE COMMITTEE

Geo. D. Knights.
Mattison B. Jones.
J. H. Merriam.
J. W. Curtis.
L. A. Boadway.
W. H. Fowler.
J. H. Strait.

Faculty

VICTOR LEROY DUKE, A. M., President.
Professor of Mathematics.
A. B., Shurtleff College, 1897, A. M., 1903. University of Chicago Summer Sessions, 1898, 1899, 1900, 1901 and 1903.
University of Redlands, 1909—.
Residence, 155 E. Cypress Avenue.

A. HARVEY COLLINS, A. M., Registrar.
Professor of History.
A. B., Indiana University, 1890. University of California Summer School Sessions, 1903, 1906.
A. M., University of Southern California, 1912.
University of Redlands, 1909—.
Residence, 314 West Olive Avenue.

JAMES W. KYLE, A. M.
Professor of Ancient Languages.
A. B., Denison University, 1894. A. M., University of Chicago, 1900.
Student Royal Museum, Berlin, 1898. Member of American School of Classical Studies, Athens, Greece, 1898-99.
University of Redlands, 1909—.
Residence, 621 University Street.

S. GUY JONES, B. S.
Professor of Chemistry.
B. S., Denison University, 1903.
University of Redlands, 1909—.
Residence, 110 Myrtle Street.

George Robertson, A. B.
Professor of Biology and Geology.
A. B., McGill University, Montreal, 1881. Graduate Congregational College, Montreal, Canada, 1882.
University of Redlands, 1911—.
Residence, 256 Alvarado Street.

Herbert E. Wise, A. M.
Professor of Philophy and Education.
A. B., University of Manitoba, 1892. Graduate of Newton Theological Institution, 1897. A. M., University of Manitoba, 1915.
University of Redlands, 1910—.
Residence, 775 Linda Vista Ave.

Edith Abigail Hill, A. B.
Professor of Modern Languages.
A. B., Leland Stanford Junior University, 1903. Student at Sorbonne, Paris, 1903. Student University of Berlin, 1904. Student in Mexico, 1905. Student University of Madrid, 1909-10.
University of Redlands, 1910—.
Residence, 14 Clifton Avenue.

Herbert Eugene Marsh, B. S.
Professor of Physics and Engineering.
B. S., Michigan Agricultural College, 1908.
University of Redlands, 1912—
Residence, 618 East Fern Avenue.

Egbert Ray Nichols, A. M.
Professor of English Literature.
Ph. B., Franklin College, 1907. A. M., Harvard University, 1909.
University of Redlands, 1913—.
Residence, 814 Campus Avenue.

HOWARD C. TILTON, A. M.

Professor of Political and Social Science.

A. B., Shurtleff College, 1895. A. M., Brown University, 1897.
University of Redlands, 1914—.
Residence, 614 East Fern Avenue.

MARY LOUISE TODD, A. B.

Associate Professor of English.

A. B. University of Colorado, 1910. Graduate Student University of Southern California, 1914.
University of Redlands, 1914—.
Residence, 109 Stillman Avenue.

HENRY WALTER STAGER, Ph. D.

Professor of Mathematics.

A. B., Leland Stanford Junior University, 1902.
A. M., Leland Stanford Junior University, 1906.
Ph. D., University of California, 1909.
University of Redlands, 1917—
Residence, 220 Grant Street.

COLLEGE OF FINE ARTS

CHARLES EDWARD HUBACH, Dean of the College of Fine Arts.

Professor of Voice, Bel Canto and General Repertoire. Director of Choral Society.

Graduate New England Conservatory of Music.
Student of Sbriglia, Paris.
Student of Barracchia, Florence, Italy.
University of Redlands, 1914—.
Residence, 121 East Fern Avenue.

OSKAR BENJAMIN SEILING, Head of Violin Department.

Professor of Violin.

Director and First Violinist Brahms Quintette, Los Angeles.
University of Redlands, 1914—
Residence, Sierre Madre, California.

OLGA STEEB, Head of the Piano Department.

Professor of Piano.

Private student Los Angeles, California.
Special private student, London, England, and other European musical centers.
University of Redlands, 1915—.
Residence, Bekins Hall.

KATE WATKINS, Head of Art Department.

Instructor in Drawing, Painting, Modeling, Lecturer in History of Art.

Student of J. Carrol Beckwith (Art League) and Kenyon Cox of New York. Student of the Julian Studios and Henry Mosler, Paris, France.
University of Redlands, 1913—.
Residence, Bekins Hall.

FLORA CORDELIA COOK, Mus. Bac.

Instructor in Piano.
Instructor in Harmony.

Graduate of Lake Erie College Conservatory, 1903.
Student of Mme. Lillian Lord-Wood, Redlands.
Bachelor of Music, U. of R., 1914.
University of Redlands, 1913—.
Residence, Terracina Blvd.

FRANCES ANNETTE CARTLIDGE.
Instructor in the Dunning System of Music.
Instructor in Piano.
Graduate of Dunning System, Buffalo, N. Y. Student of Mrs. Jessie Gaynor.
University of Redlands, 1915—.
Residence, 720 Cedar Avenue.

ASHEL CUNNINGHAM, L.L. B.
Director of Physical Education.
LL. B., Indiana University, 1912.
University of Redlands, 1913—.
Residence, 630 East Fern Avenue.

JENNIE V. WILLIAMSON.
Instructor in Physical Education for Women.
University of Redlands, 1915—.
Residence, Y. W. C. A. Building.

WALTER G. INMAN.
Instructor in Physical Education for Men.
University of Redlands, 1916—.
Residence, Y. M. C. A. Building.

HOUSE MOTHERS

Mrs. Laura M. Redden - - Bekins Hall
Graduate of Acadia Seminary, Nova Scotia. Vice-Principal Acadia Seminary, 1910-11.
University of Redlands, 1913—.

Mrs. Ola Finley - - - - Bekins Hall

Mrs. Blanche A. Stauffer - - Reavis Hall
University of Redlands, 1913—.

ELEANOR A. SYMMES, Librarian.
Librarian of the University of Redlands, 1914—.
Residence, Bekins Hall.

STANDING COMMITTEES
1917-18.

Athletics—
S. Guy Jones, E. R. Nichols, Ashel Cunningham.

Discipline—
V. L. Duke, H. E Wise, H. C. Tilton.

Dormitories—
V. L. Duke, H. E. Wise, George Robertson.

Grounds—
J. W. Kyle, Geo. Robertson, Business Manager Geo. P. Cortner.

Library—
H. E. Wise, H. C. Tilton, E. R. Nichols and W. H. Fowler, from Board of Trustees.

Museum—
George Robertson.

Prizes—
J W. Kyle.

Publications—
A. H. Collins, V. L. Duke, E. R. Nichols.

Schedule—
S. G. Jones, A. H. Collins, E. A. Hill.

Student Literary Activities—
E. A. Hill, A. H. Collins, H. E. Wise.

Christian Work—
V. L. Duke, H. C. Tilton, H. E. Wise.

Events of the Past Year

June 10th, Saturday—Anniversary of the College of Fine Arts, Department of Music, 8:00 p. m.

June 11th, Sunday—11:00 a. m., Baccalaureate Sermon by Rev. S. Frazer Langford, Pastor of First Baptist Church, Sacramento, California.

7:30 p. m., Address before the Christian Associations by Rev. Joseph Long, Pastor First Congregational Church, Perris, California.

June 12th, Monday—7:30 to 10:00 p. m., Students' Annual Zanjafiesta.

1:00 p. m., Semi-Annual meeting of the Board of Trustees.

June 13th, Tuesday—11:00 a. m.—Alumni meeting and banquet.

2:00 p. m.—Class Day exercises of the Class of 1916.

8:00 p. m.—Reception by President and Mrs. Duke.

June 14th, Wednesday—Commencement, 10:30 a. m.

Address by Rev. James A. Francis, D. D., Pastor of the First Baptist Church, Los Angeles.

Conferring of degrees by President Victor LeRoy Duke.

12:15 p. m.—Seventh Annual College Dinner.

During the present year, 1916-17, the University of Redlands has been favored with a number of assembly addresses by distinguished men and women as follows:

March 16th—Brigadier General Pratt, U. S. A., formerly Superintendent of the Indian School at Carlisle, Pa., "American Indians and Their Treatment."

March 22nd—Mrs. Kate Vaughn, Domestic Science Lecturer, San Diego, Cal.

April 5th—Rev. George D. Knights, D. D., Member of Board of Trustees University of Redlands, Pastor of First Baptist Church, Long Beach, California—"An Investment."

April 11th—Rev. E. F. Hollenbeck, Pastor of First Presbyterian Church, San Diego, California.

April 13th—Rev. Bruce Black, Pastor of Wilshire Baptist Church, Los Angeles.

April 19th—Rev. W. M. Perry, Pastor First Baptist Church, Ontario, California.

April 20th—Rev. L. P. Valentine, Corresponding Secretary of B. Y. P. U., Los Angeles, California.

April 25th—Professor Wallace St. John, Rangoon Baptist College, Rangoon, Burma.

April 26th—F. E. Walker, M. D., Long Beach, California—"Public Health Conservation."

May 3d—Rev. W. H. Geistweit, D. D., Pastor of White Temple Baptist Church, San Diego, California, Member of Board of Trustees University of Redlands.

May 4th—Rev. Herbert A. Jump, Pastor First Congregational Church, Redlands, California.

September 28th—Rev. W. H. Harris, Evangelist of Baptist Church, Redlands, California.

October 11th—Rev. H. L. Boardman, D. D., Pastor First Baptist Church, Riverside, California—"Perils of Thought."

October 18th—Dr. James Henry McLaren, Impersonator—"Robert Burns."

October 25th—Rev. Benjamin Goodfield, Pastor Central Baptist Church, Los Angeles, California—"I Have Found a Man."

November 22nd—Rev. W. F. Harper, D. D., Member of Board of Trustees, University of Redlands, Pastor First Baptist Church, Pomona, California—"Helpers."

December 6th—Rev. L. D. VanArnam, Pastor First Methodist Episcopal Church, Redlands, California.

December 13th—Miss Artena Chapin, Librarian A. K. Smiley Public Library, Redlands, California—"Work of a Librarian."

December 14th—Mrs. Hazel Penny, Redlands, California—Recitative Entertainment.

1917

January 10th—Rev. J. A. Francis, D. D., Member of Board of Trustees, University of Redlands, Pastor First Baptist Church, Los Angeles, California—"Quality of a Life."

January 17th—Rev. J. A. Francis, D. D.—"The Bible."

January 22nd—Rev. J. Harvey Deere, Member of Board of Trustees, University of Redlands, Pastor First Baptist Church, Fresno, California.—"Three Records."

January 24th—Winfield Scott Hall, M. D., Professor Physiology and Hygiene, Northwestern University Medical College, Chicago, Ill. Two talks to the men of the University of Redlands.

January 25th—Day of Prayer for Colleges. Rev. J. A. Francis, D. D., Talk at Assembly and to the Christian Associations in the afternoon.

January 5th—David A. Curry, Yosemite National Park —"Our National Parks."

February 6th—Rev. F. L. Blowers, Pastor of First Baptist Church, Madera, California.

February 7th—Rev. John Snape, Pastor First Baptist Church, Hollywood, California—"Think Clearly."

February 14th—Miss Catherine Mabie, M. D., Missionary from the Congo Land—"Missionary Work in Africa."

February 19th—Orpheus Trio—Musical Entertainment.

February 21st—Rev. A. L. Wadsworth, Field Editor, Pacific Baptist.

March 7th—Judge H. T. Dewhirst, Judge Superior Court San Bernardino County—"Law as a Profession."

March 8th—Mr. George Palmer, Trustee of Pillsbury Academy, Minn. Engaged in flouring mill industry, Mankato, Minn.

March 14th—Chas. L. Curtis, M. D., Physician and Surgeon, Redlands, California—"Preventive Medicine."

March 21st—Rev. W. H. Geistweit, D. D., Pastor Third Baptist Church, St. Louis, Missouri—"The United States of Russia."

March 28th—Chas. W. Pickell, General Manager Mass. Mutual Life Insurance, Detroit, Mich—"Regeneration."

University of Redlands

HISTORICAL

On the seventh day of December, 1906, the Baptists of Southern California, in Convention assembled in Berean Hall, Los Angeles, resolved to found and foster a high grade Christian college. A committee of twenty-one representative men was appointed to select the location for the college, manage the campaign for a Founding Fund and organize the institution.

The canvass for a founding fund of $300,000 was begun the first of September, 1907, and so hearty was the response that at the convention held in Los Angeles in January, 1909, the Committee was able to announce the assured success of the movement.

The location of the college at Redlands was due both to the acknowledged fitness of the city as a home for such an institution and the generous offer of a campus of forty acres and $100,000 toward the founding fund.

To the forty acres given by Redlands for a campus has since been added twenty-three acres, including the beautiful University Hill, now occupied by the Administration Building and the Fine Arts Building.

With the $300,000 founding fund and the beginning of the first building the work of actualizing the institution may be said to have commenced.

The University of Redlands was incorporated under that title in 1907.

On September 29th, 1909, less than three years from the time of the inception of the movement, the institution threw open its doors to the public.

The College of Liberal Arts was organized and continued thru the first semester of 1909-10 in the Bible School rooms of the First Baptist Church of Redlands.

In February, 1910, the ample Administration Building was occupied.

From the beginning a College of Fine Arts has been a prominent feature of the plans for the University. This work for the first year, 1909-10, was largely carried on at the private studios of the professors and instructors. From 1910 to 1914 the work of the Fine Arts College was housed in Bekins Hall. The present Fine Arts Building, which stands on University Hill and to the east of the Administration Building, was occupied in September of 1914.

LOCATION

Redlands, the home of the University, is a beautiful city of 11,000 inhabitants, situated sixty-six miles east of Los Angeles, in the heart of the largest orange growing district in the world, and close to the eternal mountains, whose massive strength gives courage, whose grandeur gives inspiration, whose repose gives rest. The city is located at an altitude of about 1400 feet, which gives it as nearly an ideal climate as it is possible to find, sometimes touching the frost point in winter, warm in summer; but, even in the warmest summer months, always having cool and restful nights.

Flowers blossom all the year round and the finest fruits are always in season. The class of people who have made Redlands what it is, coming from all parts of the country, is thoroly cosmopolitan and is closely in touch with the latest thought and endeavor of the world. Redlands is a church going city, and with this sentiment thus dominant there is no saloon within her borders. In short, Redlands is a city of high moral tone and culture, justly deserving the name that has been given to it, "The Athens of Southern California." Many trains a day, steam and trolley, connect Redlands with Los Angeles and other nearby towns, the trip to Los Angeles taking two and one-half hours, thru the orange groves and vineyards of the garden spot of the United States, Redlands can be reached directly via either the Southern Pacific or the Santa Fe railroads or the Pacific Electric. It is also reached by the Salt Lake Route thru San Bernardino and Pacific Electric to Redlands.

The location of this place for an institution of higher learning, such as the University of Redlands, presents unusual opportunities for an ideal home life to parents desiring to have their children live at home while pursuing a college course.

CAMPUS

In a beautiful valley under the shadow of the "Everlasting Hills" the campus of the University of Redlands surely has an inspiring setting. Its sixty-three acres, under the skill of a landscape architect,

aided by a beneficent climate, has in a short time become a spot of rare beauty. A special, and to many, a unique feature of the campus is a regularly laid out and fruit bearing orange grove of 1900 trees, covering every slope of University Hill. With stately architecture to grace its greensward, winding drives, glowing flowers, and wrapt in the indefinable atmosphere which adds so much romance and charm to our Western land, the place itself will surely inspire with the highest ideals the sons and daughters who will throng its halls of learning.

THE BUILDINGS

ADMINISTRATION

The main structure of the whole University scheme, the Administration Building, was completed in 1910. It is massive and monumental in character, a pure example of classic architecture, of the mixed Ionic order. The exterior is faced with gray granite and with its massive columns and red tile roof harmonizes admirably with its majestic setting of mountain and valley.

The building contains the offices of the President, Registrar and Treasurer, and at present accommodates the recitation and laboratory work of the College of Liberal Arts, embracing some sixteen recitation rooms, chemical and physical laboratories, lecture rooms, library, society halls; locker rooms, etc. The entire equipment is of the highest order, especial attention being paid to the ventilation and sanitary requirements.

FINE ARTS BUILDING

To the east of the Administration Building and forming the second of the group of three proposed for University Hill, stands the Fine Arts Building. Its handsome lines harmonize with those of the Administration Building, and the others on the campus.

The Vocal, Piano, Violin, and Art Studios, as well as the classrooms, practice rooms, and musical library, are in this structure while the spacious hall provides room for the accommodation of audiences at the semi-monthly and other recitals.

The building was largely the gift of Mrs. Julia A. Libby of Santa Ana.

BEKINS HALL

Bekins Hall, the gift of Mr. and Mrs. Martin Bekins, of Los Angeles, was completed and occupied in October, 1910. The building is classic in architecture and absolutely fireproof in construction. It contains rooms for the accommodation of fifty young women, besides parlors, dining hall and kitchen, and a specially equipped laundry. Many of the rooms are connected with private baths. Ample verandas and a roof garden foster out-door life.

REAVIS HALL

Reavis Hall is named in honor of the late Benjamin H. Reavis, of Orange, Cal., whose generous gifts to the University have more than justified the naming of the young men's dormitory

The hall is operated by the University Co-Operative Club, a student organization. It is located on the campus at the foot of University Hill near the athletic field and

the men's gymnasium. Accommodations and board superior in every respect to those obtainable elsewhere, may be secured here.

The club elects its own officers and operates co-operatively upon an expense basis with a house-mother and general manager at the head. The cost per month is much less than that at which good board and room may be secured any where else in Redlands.

As the capacity of the dormitory is limited, a deposit of five dollars is required for the reservation of a room. This deposit will be deducted from the expenses of the first month.

Further information may be secured by addressing Mr. E. F. Bamford, Secretary-Treasurer of the University Co-Operative Club, Reavis Hall, Redlands, California, or the University.

MEN'S GYMNASIUM

At the northeast corner of the Athletic Field stands the first unit of the gymnasium for men, with showers, dressing rooms and lockers. Southwest of the gymnasium are the Athletic Field and Tennis Courts, and arrangements for all sorts of out-door sports and exercises.

WOMEN'S GYMNASIUM

Just south of the Fine Arts Building stands the gymnasium for women. The building contains dressing rooms, sanitary showers and a gymnasium floor space 32 by 60 feet. The building is provided with a complete equipment for calisthenics and light gymnastics as well as for basket ball, volley and indoor baseball.

ORGANIZATIONS

Associated Student Body

The Associated Student Body is composed of all the students matriculated in the various colleges of the University. Its officers are chosen by the student body from their own number. Regular meetings are held each week to deal with matters of general interest to all students.

Pi Kappa Chi

One of the literary societies maintained by the young ladies of the University is known as Pi Kappa Chi, and was organized during the opening year of the University, 1909-10.

This society has for its aims both literary and social development.

The meetings are held on alternate Thursday afternoons and have proved of great pleasure and profit to the members.

Athena Club

The Athena Club was organized by young women of the University in 1915. This club carries on active work under the following departments, whose titles indicate the objects of the organization:—Literary, Civics, Dramatics, Music and Home Economics.

Every member is required to choose and work in one of these departments.

Mrs. E. R. Nichols is the Patroness and gives special attention to the dramatic department for which she is especially fitted.

The benefits of organized work of this kind among the young ladies are readily recognized.

Pi Kappa Delta

The University of Redlands has a chapter of Pi Kappa Delta, a forensic honor society organized among colleges of the Middle West in January, 1913. All orators and debaters who represent the institution in intercollegiate contests are eligible to membership and are elected upon application. The organization confers an honorary key which is jewelled to show the achievement in forensics attained by the wearer.

Christian Associations

Branches of the College Departments of the Young Men's Christian Association and the Young Women's Christian Association are doing active and effective work. Each association holds a weekly prayer meeting. Representatives from the societies are sent to the Bible and General Conferences for Colleges. The good effect of these Christian organizations is very marked in the daily life of the student body. Every encouragement and assistance is given these organizations by the faculty.

The Choral Society

The Choral Society is composed of those of the student body who are musically inclined. The society is under the direction of Dean Hubach and is designed to give drill in general chorus work and, by means of talks and lectures, to give the members a knowledge of the historical and cultural value of music. One hour of credit per year is given for satisfactory work in the society.

German Club

In February, 1910, the German Club was organized under the direction of Professor Hill, and meets fortnightly. The club chooses its own officers and has as one of its regulations, "no language but German for one hour." Besides the social feature, the benefits of the club are seen in a better pronunciation and understanding of the German language.

Concert Octet

A Concert Octet of mixed voices from the ranks of the vocal students makes frequent trips to the nearby cities for mutual benefit and to advertise the University in other communities. Admission to this organization is by competitive examinations under the supervision of the Dean of the College of Fine Arts. Only the finest of artistic music is rendered by these young people, who have given great pleasure to many by their capable performances.

College Glee Club

A College Glee Club for men is always a happy addition to the life of the institution.

The Glee Club of the University of Redlands, of more than twenty voices, has become a feature of the social and public occasions of the College life.

During the Spring vacation the Glee Club made a pleasant trip thru portions of Southern and Central California.

COLLEGE PUBLICATIONS

The University of Redlands publishes a quarterly bulletin, one of which is the annual catalog. The other three are devoted to special studies and reports of officers and other matters of importance.

Student Publications

The Campus, a weekly paper published by the Associated Student Body thru an elected staff, is an exponent of the student life and activities of the University.

La Letra

La Letra, The University Annual, is published by a special staff chosen by the student body and is devoted to the features of the University life for the year.

The Annual comes from the press about June First of each year and is eagerly awaited by all those connected with the University.

Colors

The official colors of the University of Redlands are Maroon and Silver Gray.

Athletics

The University of Redlands recognizes the value of athletics in the college curriculum. Athletics is the vitalizing force of "College Spirit," and hence of value to college students in general. Athletics, when properly coached and controlled, is of great value to the participant, for not only is the body developed, the eye made keener and the judgment quickened, but, if allowed so to do, the broader and finer qualities of mind and of soul, even, find expression and receive impulses and strength. Therefore athletics occupies the usual important place in the schedule.

The athletic park is enclosed and contains a 220 yard straight-away and a circular four lap track, both in excellent condition. Inside the circular track the football and baseball fields are laid out.

College of Liberal Arts

ADMISSION

Every student, unless he brings a certificate of proficiency from an accredited school, shall before entering any class in the collegiate department, be examined upon the following subjects required for entrance:

In the College of Liberal Arts the University of Redlands offers courses leading to the Bachelor of Arts and the Bachelor of Science degrees with the following

FIXED ENTRANCE REQUIREMENTS

Leading to Bachelor of Arts

English	2 units
A Foreign Language	2 units
Mathematics	2 units
History	1 unit
Natural Sciences (This must be a laboratory course.)	1 unit
Additional from the above, and	
Drawing	4 units
Electives	3 units
Total	15 units

LEADING TO BACHELOR OF SCIENCE

	English	2 units
	A Foreign Language	2 units
	Mathematics	3 units
	History	1 unit
(1)	Physics	1 unit
(1)	Chemistry	1 unit
(1)	Other Sciences	1 unit
	Additional From the Above, and Drawing	1 unit
	Electives	3 units
	Total	15 units

NOTE:—The candidate must have chosen his work so as to present at least 4 units of work which is generally regarded as belonging to the 3rd and 4th years of the High School. Students wishing to major in Ancient Languages in the College must offer four entrance units in Latin.

(1.) A student presenting only two of these three units, but an extra unit in either Mathematics or Foreign Lanuage, will be entered without condition, but must elect the equivalent science course in the College. This shall not reduce the total amount of work required in these subjects for graduation.

In the list of subjects enumerated above the term unit is employed to signify the amount of preparatory work done in a given subject during a school year.

ADMISSION BY CERTIFICATE

Graduates of approved high schools or academies will be given credit for any of the subjects listed below in which they are recommended. Blanks for such recommendation will be furnished on application to the University and it is expected that all applicants for admission, without examination, will use them.

In the list of admission subjects enumerated below the term unit is understood to represent five recitations per week of forty-five minutes each, four recitations per week of sixty minutes each thruout one school year, or equivalent. A detailed description of the essential subjects may be found in the printed lists of the American College entrance requirements.

1. English, Elementary.....2
2. English, Advanced (3rd yr.)..1
3. English, Advanced (4th yr.)..1
4. Algebra, Elementary.....1
5. Algebra, Intermediate.....½
6. Plane Geometry.....1
7. Solid Geometry.....½
8. Plane Trigonometry..... .....½
9. Ancient History.....1
10. Mediaeval and Modern His...1
11. English History.....1
12. History and Gov't of U. S.....1
13. Economics.....½, 1
14. Latin, Elementary & Caesar. 2
15. Cicero & Latin Composition 1
16. Vergil & Latin Composition..1
17. Greek, Elem. & Xenophon....2
18. Homer and Greek Comp.....1
19. German, Elementary.....2
20. German, Intermediate.....1
21. German, Advanced.....1
22. French, Elementary.....2
23. French, Intermediate.....1
24. French, Advanced.....1
25. Spanish.....2
26. Physics.....1
27. Chemistry.....1
28. Botany.....1
29. Zoology.....1
30. Physiology.....1
31. Physical Geography.....1
32. General Science.....1
33. Free-hand Drawing.....½, 1
34. Mechanical Drawing.....½, 1
35. Music..... .....½, 1
36. Vocational Subjects.....1, 2, 3

Half units will be accepted only when presented in addition to a whole unit in the same subject or in closely

allied subjects, such as economics and history, except in industrial arts, agriculture, music, etc., as indicated above.

One year of a foreign language will not be accepted until supplemented by an additional year of the same language in the University of Redlands.

ADVANCED STANDING

If a student upon entering the University can present more than sixteen units, he may apply for advanced standing on the excess of units above that number.

The granting of advanced standing, in any department, is dependent upon the recommendation of the head of that department, who also reserves the right to examine the applicant, in the subjects in which advanced credit is sought, before making any recommendation.

Credit without examinations for work done in other institutions will be granted only upon receipt of a satisfactory certificate mailed to the University of Redlands by the proper official of the institution in which the work was done.

A student from another institution of equal scholastic rank may be admitted to advanced standing in the University upon presentation to the committee having charge of credits satisfactory evidence of having completed the work claimed, together with a certificate of honorable dismissal.

Students failing to satisfy any of the above requirements for admission may be received on condition,

but such condition must be removed before said students are admitted to the Junior Class.

MATRICULATION AND REGISTRATION

Each student desiring to register is required to present himself to the President, who will advise with him and direct him to the registration committee and the Registrar.

Students are urged to register on the designated registration days. Absences from classes are counted from the day on which instruction begins. The student, within one week after registration day or at once, in case of late registration, must obtain from the Treasurer a card of admission to classes. No registration is complete until fees due the institution are paid or arranged for. Any student wishing to discontinue a course or in any way change his registration will proceed as in the original registration.

Students enrolled for the first semester and registering for the second semester will be expected to register between Friday, January 4th and Saturday, January 26th. An extra fee of one dollar ($1.00) will be charged the student whose registration is not complete on or before January 26th.

GENERAL REQUIREMENTS AND REGULATIONS

Candidates for degrees will be required to recognize the sequence of courses in selecting their work, unless excused by the Faculty.

Persons not candidates for any degree may be admitted to the University as special students, provided they are of mature age and give the Faculty satisfactory evidence that they are properly qualified to do work creditably and with profit.

Special students may select their studies without reference to the sequence of courses, but otherwise are subject to the general regulations governing the student body. Such students may at any time become candidates for degrees by conforming to the regular requirements.

No student who has registered for regular work can change his status to that of a special without permission of the Faculty.

A student withdrawing from the University before the work of any semester has been completed shall thereby forfeit all credits for that semester; but at the discretion of the instructor such student, upon returning to college, may resume a subject at the point dropped and carry it to completion.

Full work for the Freshman and Sophomore years shall be sixteen hours per semester, including physical education.

No regular student is allowed to carry more than 18 hours or less than 12 hours, except by special action of the Faculty.

Those who represent the University in inter-collegiate activities, or in other capacities, or who are managers or editors of student publications or officers of the Asso-

ciated Student Body shall be regular students and doing a passing grade of work in at least 12 hours.

Each student must take a final examination before receiving credit in any course, except that in the second semester a student ready to receive a degree shall not be required to take an examination in those courses in which his daily grade for that semester is 90 per cent. or above.

SCHOLARSHIP GRADING

The following system of grading is used in the University of Redlands:

A denotes a good grade of work.
B " average work.
C " passing, but poor.
D " conditioned.
E " failed.

A condition in any course may be removed before the course is again offered in accordance with the requirements made by the teacher concerned. A fee of $2.00 is charged for each extra or special examination, except that if a student is forced to be absent from all the examinations of the semester, the fee for the entire number shall not exceed $5.00.

SCHOLARSHIPS—STUDENT AID

A number of scholarships have been endowed by friends of the University, the income derived from such funds being devoted to defraying the tuition fees in the College of Liberal Arts of the students to whom they are assigned. These scholarships are awarded to those stu-

dents who are in need of aid in securing a college education. In the awarding of these scholarships, the grade of work which has been done and is being done by the student is taken into consideration. A student receiving such aid is expected to conduct himself in a way which is for the best interest of the institution. He may be asked to render some light service to the institution which will not interfere with his studies.

The University aids some students by work about the campus and in the halls and co-operates with students in securing work about the city. Students who are thus helped are expected to give value received and to co-operate in maintaining a good spirit in the University.

Inquiries regarding this matter should be addressed to the University of Redlands.

DORMITORIES, ROOM AND BOARD

In Bekins Hall for Women accommodation is provided for a number of students. A thoroly competent matron is in charge of the dormitory, giving assurance of adequate control. In the hall it is the purpose of the administration to approximate the home life as closely as possible.

Reavis Hall likewise provides for a number of the men.

Students are expected to room in the college dormitories unless there are good reasons for their doing otherwise.

Students are allowed to room only in places approved by the Faculty. To this end a list of approved places is kept in the college offices. This list should be consulted

by a student before he engages a rooming place. Places are not approved unless a responsible householder is in charge. General boarding houses are not approved and it is desirable that not more than six students room and board in any one place off the Campus. Groups of students are not allowed to rent a house for living quarters. Any student changing his living place is expected to consult with the office concerning such change.

For cost of rooms and board see Expenses.

EXPENSES

It is believed that the expenses at this institution are as low as is consistent with the high character of the work done. The following schedule will serve to indicate the principal items:

Tuition per semester, payable in advance:
Colleges of Liberal Arts $48.00

Matriculation Fee:
College of Liberal Arts and Fine Arts .....$ 5.00

Registration Fee per Semester:
College of Liberal Arts and Fine Arts.....$2.00

Laboratory Fees:
Chemistry, for each course, per semester.....$8.00
Biology, per semester .....$ 1.00
Physics, for each course, per semester .....$ 5.00

A deposit of five dollars ($5.00) is required in Chemistry to cover breakage. This deposit, less cost of breakage, is refunded at the end of the year.

No breakage deposit is required in Physics, but an account is kept of all breakages and a charge is made therefor.

Students carrying not more than five hours of work will be charged one-third of the regular tuition fee; those carrying from six to ten hours inclusive, will be charged two-thirds of the regular fee, and those carrying more than ten hours will pay the full fee.

Students preparing for the ministry and children of ministers and missionaries will be granted a discount of 50 per cent. in tuition fees for regular work in the College of Liberal Arts.

Special attention is called to the fact that the charge for tuition includes gymnasium, library, graduation and all incidental fees other than the matriculation and registration fees, and those connected with laboratory work.

No student may attend classes for more than one week after the regular registration day without having made satisfactory arrangements with the treasurer concerning all monies due the University.

DORMITORY EXPENSES

The larger number of the dormitory rooms are arranged for two in a room, being furnished with two beds and in some cases having two closets.

The beds in Bekins Hall are single and provided with mattresses 6 ft. 2 in., by 3 ft., and pillows 23 by 30 inches. For dimensions of pillows and mattresses in Reavis Hall, address The House Mother.

Each student is expected to furnish bed covers, linen and towels.

Rooms and Board at Bekins Hall:

Two in a room, per month .....$27 each

Two in room with bath adjoining, per month $30 each

When paid by the semester in advance, $105 and $115 respectively. Of this sum $20 per month is reckoned for the board and the balance as room rental. In case a student desires to room alone in one of the double rooms, a half more will be added to the room rental.

The dormitories will be closed during the Christmas and the Spring vacations unless a number of students desire to remain, in which case those students paying the semester rate will be charged an additional fee for their accommodations during these periods.

The necessary expenses, including room, board, tuition, books and laundry, will average about $350 or $375 for the year.

Rooms in the dormitory may be reserved at any time for 1917-18 by a deposit of five dollars with the University. This deposit will be deducted from the charges of the first month.

LIBRARY

The library of 7400 volumes and several thousand unbound magazines and pamphlets, contains especially well selected works on all subjects included in the curriculum. This number includes about 3000 volumes received as a permanent loan from California College, Oakland, Cal.

Many valuable books and sets have been given by generous friends of the University.

Moreover, through the courtesy of the A. K. Smiley Public Library of Redlands, with 27,427 volumes, the University Library is a depository, thruout the college year, for such books as the different departments may from time to time require.

A music library, largely a loan from the private library of Dean Hubach, is maintained in the Fine Arts building.

PRIZES

The following prizes have been offered to the students of the University for the year 1916-17 to be awarded on Commencement Day:

1. For the best original oration delivered by a regular student of the University of Redlands at the annual Oratorical Contest on the third Friday of January, a gold medal or a prize of $25 is offered by the President of the Board of Trustees of the University, Mr. Mattison B. Jones, of Los Angeles.

2. For the best extempore speech delivered by a regular student of the University at the annual Contest in Extempore Speaking on the first Friday in December, a prize of $25 is offered by Mr. W. H. Fowler, of Ontario, a trustee of the University.

3. For the best essay on the subject "Science and Civilization" presented by any student in the Department

of Biology, a prize of $5.00 is offered by Professor Geo. Robertson of the University.

4. For the best essay on the subject "My Philosophy of Life" presented by a Junior or Senior in the Department of Philosophy a prize of $5.00 is offered by Professor Herbert E. Wise of the University.

5. For the best criticism of a Greek author presented by a member of the Literature class a prize of $5.00 is offered by Professor J. W. Kyle of the University.

ACCREDITING

The work of the University of Redlands will be accepted by the University of California or Leland Stanford, Jr., University for admission to Sophomore, Junior, Senior or Graduate standing.

Columbia University has already admitted several of our graduates to graduate standing without condition, granting them the Master's Degree in one year.

REQUIREMENTS FOR GRADUATION

No student shall be permitted to graduate from the College of Liberal Arts of the University who has not credit for at least 124 hours including two years of physical education and who has not taken at least one year of the regular work at the University.

The required work leading to the different degrees is as follows:

BACHELOR OF SCIENCE

English	6-9 hours
Mathematics	12 hours
History	6 hours
Sociology or Economics	3 hours
Ethics	3 hours
Christian Evidences	2 hours
Psychology	4 hours
Modern Languages	12 hours
Physics	8 hours
Chemistry	8 hours
Other Science	6 hours
Physical Education	4 hours
Total Required	74-77 hours
Electives	50-47 hours
Total	124 hours

Bachelor of Arts

(1)	English	6-12 hours
	Mathematics	6 hours
(2)	History	6-10 hours
	Sociology or Economics	3 hours
	Ethics	3 hours
	Christian Evidences	2 hours
	Psychology	4 hours
	Science	8 hours
	Foreign Languages	6 hours
	Physical Education	4 hours
	Total Required	48-58 hours
	Electives	76-66 hours
	Total	124 hours

In addition to the above requirements for the Bachelor of Arts Degree, the candidate must satisfy the conditions for a major as defined below.

(1.) Students who offer fewer than four entrance units in English, will be required to take nine college hours in that subject for the B. S. degree and twelve for the A. B. degree.

(2.) Students who offer fewer than two entrance units in History, will be required to take ten college hours in that subject.

At least thirty-six hours of the Junior and Senior years must be from courses classified as "Junior and Senior."

Every candidate for a degree is required to select a major and signify the same to the Registrar and the head of the department in which he selects his major. Such selection may well be postponed until the Sophomore year but not later than that time without special permission.

As soon as a student has decided on a major he shall choose his minor in conference with the head of the department in which he has chosen his major.

A major shall consist of twenty-four hours in one department, from courses classified by that department as majors and at least twelve hours must be from courses classified as "Junior and Senior."

A minor shall consist of at least nine hours from courses which may be counted toward a major in any department.

Departments of Instruction

BIBLICAL STUDIES

Herbert E. Wise

Crawford Professor of English Bible and Cognate Studies

*I. The Life of Jesus. Study is made of the historical situation, sources of the Synoptics, together with the religious development and characteristic traits of Jesus.
Freshmen-Sophomore course.
Two hours per week, first semester.

*II. The Social and Ethical Teachings of Jesus and their application to Modern Life.
Freshmen-Sophomore course.
Two hours per week, second semester.

V. Introduction to the Old Testament. A study of the origin, historical development, social messages, religious significance, and permanent value of the Old Testament.
Junior-Senior course.
Two hours per week, first semester.

VI. Continuation of V.
Two hours per week, second semester.
Junior-Senior course.

* Omitted in 1917-18.

BIOLOGY

Geo. Robertson, Professor

Courses III, IV, V, VI, VII and VIII will be accepted as majors.

1. General Botany

The study will cover a general course in plant life, including lectures, recitations, laboratory and field work. The local flora is very rich in native and cultivated plants, suitable for study every month of the year. The work will be pursued along these lines (a) Morphological (especially the hystological phase), (b) Physiological, and (c) special Botany, a study of local flora, conditions of plant development, and a knowledge of the economic value of California plants.

Freshman-Sophomore course.

Three hours and one laboratory period of two hours per week, first semester.

II. General Botany

Continuation of Biology I. The study of local flora will receive special attention.

Freshman-Sophomore course.

Three hours and one laboratory period of two hours per week, second semester.

III. General Zoology

A study of invertebrate animal life, the structure, development, classification and distribution. The study of insects will be specifically considered.

Sophomore-Junior course.

Three hours and one laboratory period of two hours per week, first semester.

IV. General Zoölogy

Continuation of Biology III.

A study of vertebrate animal life; the morphology, development, physiology, classification, distribution and economic value. Especial attention is given to human physiology.

Sophomore-Junior course.

Three hours and one laboratory period of two hours per week, second semester.

V. Dendrology

The course in Forest Botany will consist of lectures, assigned reading and papers and laboratory work on trees and chapparal, their morphology, classification, geographical distribution, physiology, economic values and their relation to silviculture and arboriculture.

Junior-Senior course.

Three hours, first semester. Two hours' lecture and one laboratory period.

Prerequisite courses Biology I and II.

VI. Angiosperms

The course deals with Phaenogamic Botany, their ontogeny and Phylogeny, their orders, morphology, physiology, habits of growth, geological history, geographical distribution and their economic values. Southern California types will be especially considered.

Junior-Senior course.

Three hours, per week, second semester; two periods lectures and a laboratory period of two hours per week, with the addition of special courses of reading. Prerequisite courses III and IV.

VII. Advanced Invertebrate Zoology

Lectures, readings, laboratory work dealing with local invertebrate Zoology, their morphology, habits, distribution, life histories. Entomology will receive special attention.

Three hours, first semester. Two lecture hours and one laboratory period.

Prerequisite course III and IV. Junior-Senior course.

Three hours per week, first semester.

VIII. Advanced General Vertebrate Zoology

The course will embrace a study of vertebrate animal structure anatomy and physiology, development, habits, variation and distribution. Dissection of selected type specimens, and special courses of reading with assigned papers will be required.

Prerequisite course VII.

Junior-Senior course.

Three hours per week, second semester. Two lecture hours and one laboratory period.

Note—Biology V and VI will alternate each year with Biology VII and VIII. Biology V and VI will be given in 1917-18.

CHEMISTRY

S. Guy Jones, Professor

Courses III to XIV inclusive will be accepted as majors.

I. ELEMENTS OF CHEMISTRY

An introductory course intended for those who do not offer matriculation Chemistry.
Freshman-Sophomore course.
Two recitations and two laboratory periods per week, first semester.

II. ELEMENTS OF CHEMISTRY

Continuation of Chemistry I.
Two recitations and two laboratory periods per week, second semester.

III. GENERAL INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS

An advanced course in general and theoretical chemistry, accompanied by a laboratory course in qualitative analysis. Analysis for metals and positive ions. Prerequisite, Matriculation Chemistry or Chemistry I-II.
Freshman-Sophomore course.
Two recitations and two laboratory periods per week, first semester.

IV. GENERAL INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS

Continuation of Chemistry III. Analysis for non-metals and negative ions. Determination of the composition of natural and commercial products.
Two recitations and two laboratory periods per week, second semester.

V. Quantitative Analysis

General methods of Gravimetric Analysis.
Prerequisite, Chemistry III-IV.
Sophomore-Junior-Senior course.
Three laboratory periods per week, first semester.

VI. Quantitative Analysis

Continuation of Chemistry V. Gravimetric and Volumetric analysis.
Three laboratory periods per week, second semester.

VII. Organic Chemistry

A study of the compounds of Carbon. Laboratory work in the preparation of organic compounds and the study of their properties.
Prerequisite, Chemistry III-IV.
Junior-Senior course.
Two recitations and two laboratory periods per week, first semester.

VIII. Organic Chemistry

Continuation of Chemistry VII.
Two recitations and two laboratory periods per week, second semester.

IX. Advanced Quantitative Chemistry

An advanced course in quantitative manipulations and determinations. The aim of the course is to obtain skill in quantitative manipulation and a knowledge of methods which will enable the student

to quickly and easily become proficient in any of the several lines of quantitative analytical Chemistry.
Prerequisite, Chemistry V-VI.
Junior-Senior course.
Three laboratory periods per week, first semester.

X. Advanced Quantitative Chemistry

Continuation of Chemistry IX.
Three laboratory periods per week, second semester.

XI. or XII. Inorganic Preparations

Study of the accepted methods of preparing the principal inorganic compounds.
Prerequisite, Chemistry III-IV.
Sophomore-Junior-Senior course.
Three laboratory periods per week, either semester.

XIII. Physical Chemistry

A course in the fundamentals of Physical Chemistry. The study of the properties of gases, liquids and solids. Also rate of chemical change and chemical equilibrium.
Two recitation-lecture periods and two laboratory periods per week, first semester.

XIV. Physical Chemistry

Continuation of Chemistry XIII.
Two recitation-lecture periods and two laboratory periods per week, second semester.

ENGINEERING

Herbert E. Marsh, Professor

A complete technical course in engineering is not offered at present. The following subjects are for the benefit of those who desire to complete their preparation for this profession after having obtained a broad cultural basis for the same.

I. Mechanical Drawing

Use and care of drawing instruments, free-hand and mechanical lettering, exercises in projection and simple drawing.

Prerequisite, Plane Geometry.

Two drawing periods per week, first semester.

This course may not be counted toward a major.

II. Continuation of I.

Drawing accurately to scale plans, elevations, and sections from student's own measurements and free-hand sketches of simple machine parts.

Prerequisite Engineering I.

Two drawing periods per week, second semester.

III. Surveying

The use, care and adjustment of the Surveyor's instruments. Field work; chain and tape surveying, transit surveys, leveling, curves, etc.

Prerequisite, Mathematics II.

One recitation and two field periods per week, first semester.

IV. SURVEYING

Continuation of III applied particularly to topographical surveying and mapping.
Major course.
Prerequisite, Engineering III.
Sophomore course.
One recitation and two field (or drawing) periods per week, second semester.

V. DESCRIPTIVE GEOMETRY

A study of the principles which underlie orthographic projection, keeping in mind the importance of the ability to analyse a problem into its component parts and to reason from a given set of conditions to a required set of conclusions.
Major course.
Prerequisite, Engineering I and II.
Freshmen-Sophomore course.
Three drawing periods per week, first semester.

VI. DESCRIPTIVE GEOMETRY

Continuation of V., including single and double curved surfaces, shades and shadows, and the elements of perspective and isometric projection.
Prerequisite, Engineering V.
Three drawing periods per week, second semester.

VII. APPLIED MECHANICS

A study of the laws of statics and dynamics and their application to the various branches of engineering.

Major course.
Prerequisite Physics III and Mathematics VII and VIII.
Junior-Senior course.
Four recitations per week, first semester.

VIII. Graphic Statistics

A study of methods of representing forces graphically and the application of the same in the determination of stresses in structures.
Major course.
Prerequisite, Physics III, Engineering VII.
Junior-Senior course.
Recitation two hours and one drawing period per week, second semester.

X. Mechanics of Materials

A study of mechanics of materials including elastic and ultimate strength, and elastic ultimate deformations, cases of simple stress, theory of beams, columns, and shafts; also a study of the principles of reinforced concrete and their application in various structures.
Major course.
Prerequisite, Engineering VIII.
Senior course.
Four recitations per week, second semester.

ENGLISH

Egbert Ray Nichols, Professor

Mary Louise Todd, Associate Professor

The aim of the English department is threefold: (1) to train the students in the art of self-expression or English Composition, written and oral; (2) to give the student definite knowledge of the greater writers of English literature; and (3) to enable the student to appreciate and estimate in a measure by the higher standards of criticism the value and wealth of English literature.

The work of the department has been grouped under three heads. This division of the department is the logical and natural one of (A) Courses in Composition, (B) Courses in English Literature, and (C) Courses in Public Speaking. The courses in Divisions A and C are given by Mr. Nichols. Miss Todd assists with the courses in Division B.

From six to twelve units of English are required of A. B., and nine of B. S. students, the first six of which must be courses I. and II., which are prerequisites to all others except VII., VIII., XXV., XXVI., XXXI., XXXII., XXXIII., and XXXIV. English VII., and VIII. are required of all Freshmen presenting less than four years of high school English for college entrance. Twenty-four hours in addition to the hours in courses I., II., VII., and VIII. are required of students majoring in English.

All courses in Composition and Literature may be counted toward a major in English unless otherwise designated. Only four hours of Public Speaking may be counted toward the English major. Course XII is required of all English majors.

Students expecting to major in English should present a program of study to the head of the department before the beginning of the Junior year.

A.—COURSES IN COMPOSITION

I. Rhetoric and Composition

A study of composition, oral and written, with regular practice in writing and speaking.

Freshmen course. May not be counted for major.

Three hours a week, first semester.

II. Rhetoric and Composition

Continuation of Course I.

Freshmen course.

Three hours a week, second semester.

III. Advanced Composition and Journalism

A course in composition designed for those who wish to continue writing work beyond the Freshman year. A regular schedule of writing is followed. Longer themes are required and more attention is given to criticism than in English I. and II. English III. and IV. may be taken two years with full credit for each year.

Sophomore-Junior-Senior course.

Three hours a week, first semester.

IV. Advanced Composition and Journalism

A continuation of English III.

Sophomore-Junior-Senior course.

Three hours a week, second semester.

B—COURSES IN ENGLISH LITERATURE

VII. History of English Literature

A general outline course in English literature from Beowulf to the year 1900.

Required of all students majoring in English Literature unless an equivalent is offered, but may not be counted as a major course to make up the twenty-four hours required of English Majors. Also required of Freshmen not presenting four years of high school English for college entrance.

Elective course.

Three hours a week, first semester. Miss Todd.

VIII. History of English Literature

A continuation of English VII.

Three hours a week, second semester. Miss Todd.

IX. Shakespeare

(a) An intensive study of three plays of Shakespeare including Hamlet or Othello.

(b) A reading course in Shakespeare's plays up to the year 1600. A chronological order is followed. Collateral reading on the life of Shakespeare and his time.

Sophomore-Junior-Senior course.

Three hours, first semester. Mr. Nichols.

X. SHAKESPEARE

(a) As in English IX.

(b) A reading course in Shakespeare's plays subsequent to the year 1600. A chronological order is followed. Thesis required.

Sophomore-Junior-Senior course.
Three hours, second semester. Mr. Nichols.

XII. CHAUCER

A survey of the life and writings of Geoffrey Chaucer with special attention to the Canterbury Tales.

Junior-Senior course. Required of English majors.
Two hours a week, second semester. Mr. Nichols.

!XIII. CHIEF POETS OF THE 18TH AND 19TH CENTURIES

An outline course in the English poets of the late classic, and Romantic periods, including Gray, Johnson, Burns, Coleridge, Wordsworth, etc.

Sophomore-Junior-Senior course.
Three hourse, first semester. Miss Todd.

!XIV. CHIEF POETS OF THE 18TH AND 19TH CENTURIES

A continuation of XIII, including Scott, Byron, Shelley, Keats, and others.

Sophomore-Junior-Senior course.
Three hours, second semester. Miss Todd.

*XV. CHIEF ESSAYISTS AND PROSE WRITERS

An outline course in 17th, 18th, and 19th century essayists and prose writers, including Dryden, Addison, Steele, Swift, Johnson, Goldsmith and others.
Three hours, first semester.
Sophomore-Junior-Senior course. Miss Todd.

*XVI. Chief Essayists and Prose Writers

A continuation of XV, including Lamb, DeQuincey, Carlyle, Ruskin, Arnold, and others.

Sophomore-Junior-Senior course.
Three hours, second semester. Miss Todd.

*XVII. Tennyson

A study of the life and writings of Alfred, Lord Tennyson. Thesis required.

Sophomore-Junior-Senior course.
Three hours, first semester. Mr. Nichols.

*XVIII. Browning

A study of the life and writings of Robert Browning. Thesis required.

Sophomore-Junior-Senior course.
Three hours, second semester. Mr. Nichols.

!XIX. Prose Fiction

A study of the history and technique of the novel with outside reading in the 19th century authors. Seminar course; oral reports, lecture and thesis required.

Junior-Senior course.
Three hours, first semester. Mr. Nichols.

!XX. Prose Fiction

A study of the rise, development, and technique of the Modern Short Story with extensive outside reading in English, Continental, and American stories. Seminar course; oral reports, lecture and thesis required.

Junior-Senior course.
Three hours, second semester. Mr. Nichols.

*XXI. History of Drama

A study of the rise and development of English drama, its relations to ancient and continental drama, of stage conditions from mediaeval days to the present, including outside reading in miracle, morality and mystery plays, interludes, Elizabethan, Restoration, 18th Century and Victorian Drama. Thesis required.

Sophomore-Junior-Senior course.
Three hours, first semester. Mr. Nichols.

*XXII. History of Drama

A continuation of XXI.

Sophomore-Junior-Senior course.
Three hours, second semester. Mr. Nichols.

!XXIII. Modern Drama

A survey course in Modern Continental Drama with outside reading and reports, including Ibsen, Bjornson, Strindberg, Maeterlinck, Rostand, Brieux, Hauptman, Suderman, Schnitzler, Echegaray, d'Annunzio, and many others.

Junior-Senior course.
Three hours, first semester. Mr. Nichols.

!XXIV. Modern Drama

A survey course in Modern English, Irish, and American Drama with outside reading and reports and thesis, including Pinero, Jones, Galsworthy, Bennett, Barker, Synge, Yeats, Gregory, Howard, Thomas, Mackaye, and many others.

Junior-Senior course.
Three hours, second semester. Mr. Nichols.

!XXV. American Literature

A survey of the important prose and poetry of America from Irving to contemporary writers.

Elective course.

Three hours, first semester. Miss Todd.

!XXVI. American Literature

A continuation of XXV.

Elective course.

Three hours, second semester. Miss Todd.

*XXVII. The Forms of Poetry

A study of the theory of poetry, versification and types of poetry as illustrated by selected masterpieces.

Sophomore-Junior-Senior course.

Two hours, first semester. Miss Todd.

*XXVIII. Milton

A survey of the life and writings of Milton with special attention to Paradise Lost.

Sophomore-Junior-Senior course.

Two hours, second semester. Miss Todd.

C.—COURSES IN PUBLIC SPEAKING

(Four hours only may be counted toward an English Major from courses in Division C.)

XXXI. Argumentation and Debate

A study of the principles of debating, with exercises in brief drawing, writing speeches, and class debates.

Elective course. Should be taken by those desiring to enter Intercollegiate Debates

Two hours a week, first semester

XXXII. Argumentation and Debate (Offered conditionally.)

A continuation of XXV.

Two hours, second semester.

XXXIII. Oratory and Public Speaking

A course in the principles and technique of the oration, with special attention to the college oration. Also practice in speaking—extempore and committed work—i. e. elementary training in expression. Elective course.

Two hours, first semester.

XXXIV. Oratory and Public Speaking (Offered conditionally).

A course in the literature of oratory, with practice in extempore and committed work. Continues course XXVII in expression. Elective course.

Two hours a week, second semester.

*Given in 1917-18 and alternate years.
!Given in 1918-19 and alternate years.

FRENCH

Edith A. Hill, Professor

All courses except French I and II may be taken as major courses.

I. First Year French

Special attention to pronunciation, writing and reading. Exercises in grammar. Grammar and texts suitable to the grade of work required, will be used.

Four hours per week, first semester.

II. Continuation of French I.
Four hours per week, second semester.
I. and II. continuous course.

III. Second Year French
Rapid review of grammar. Considerable opportunity is given for speaking the language, as but little English is used in the class room. Plays, novels and short stories of some of the greatest modern writers will be studied during the year.
Three hours per week, first semester.

IV. Continuation of French III.
Three hours per week, second semester.

V. Conversation Course
Facts of daily life discussed. Designed to train students to speak and write the language with some facility.
Prerequisite I-II.
Two hours a week, first semester.

VI. Conversation Course
Continuation of French V.
Two hours per week, second semester.

VII. French Literature of the 19th Century
A lecture and reading course. Conducted entirely in French. Chateaubriand, de Vigny, Hugo, Balzac and others will be studied.
Prerequisite I.-IV.
Three hours per week, first semester.

VIII. French Literature
Continuation of French VII.
Three hours per week, second semester.

IX. French 17th Century Poetry
Lecture course and reading. The principal authors of the classical period, Corneille, Moliere, Racine, La Fontaine, Le Sage, Boileu, etc., will be studied.
Three hours per week, first semester.
Prerequisite I-IV.

X. French—17th Century Prose
Continuation of French IX.
Three hours per week, second semester.

GERMAN

Edith A. Hill, Professor
Mary Louise Todd.

All courses except German I and II may be taken as major courses.

I. First Year German
Systematic training in simple conversation, narration and the elements of German grammar. Texts suitable for the work of the first year will be read.
Four hours per week, first semester. Miss Todd.

II. First Year German
Continuation of German I.
I. and II. continuous course.
Four hours per week, second semester. Miss Todd.

III. SECOND YEAR GERMAN

Reading of Lessing, Goethe, and Schiller.
Three hours per week, first semester. Miss Todd.

IV. SECOND YEAR GERMAN

Continuation of German III.
Three hours per week, second semester. Miss Todd.

V. COMPOSITION AND CONVERSATION COURSE

A course in conversation, composition and sight reading.
Two hours per week, first semester. Miss Todd.

VI. CONVERSATION COURSE

Continuation of German V.
Two hours per week, second semester. Miss Todd.

VII. THIRD YEAR GERMAN

The German Novel. Frytag's Soll und Haben, Sudermann's Frau Sorge, and others.
Reading and discussion.
Prerequisite German I-IV.
Three hours per week, first semester.

VIII. THIRD YEAR GERMAN

The German Novel. Continuation of German VII.
Three hours per week, second semester.

IX. GERMAN LITERATURE

General survey of German Literature from its beginning to the 20th Century.
Prerequisite I-IV.
Three hours per week, first semester.

X. GERMAN LITERATURE. Continuation of German IX.
Three hours per week, second semester.

XI. Faust, Parts One and Two
Careful study of poetry and unity.
Open to Seniors.
Three hours per week, first semester.

XII. Faust
Continuation of German XI.
Three hours per week, second semester.

VII, VIII, IX and X given in alternate years. VII and VIII omitted in 1917-18.

GEOLOGY

Geo. Robertson, Professor

I. General Geology
Lectures, recitations, laboratory and field work. The study will include the salient and economic features of the science, giving a systematic and comprehensive knowledge of the most important teachings of Geology. The course will cover (a) Dynamical, (b) Structural and (c) Historical Geology. Attention will be given to the Petrology and Crystalography of the common rocks and minerals.
Prerequisite, Biology I-IV. Major.
Junior-Senior course.
Three hours and one laboratory period of two hours per week, first semester.

II. General Geology
Continuation of Geology I. Historical Geology continued and developed, especially California conditions. Major.
Junior-Senior course.
Three hours and one laboratory period of two hours per week, second semester.

GREEK

James W. Kyle, Professor

Courses III, IV, V, VI, VII, VIII, IX and X will be accepted as majors.

I and II. ELEMENTARY GREEK

Gleason's Greek Primer. Anabasis of Xenophon. Book I. Easy composition based on the Anabasis.
Freshman-Sophomore course.
Four hours per week, both semesters.

III and IV. XENOPHON: ANABASIS

Books II-IV. Composition continued. Homer: Iliad, Book I. Metrical reading.
Freshman-Sophomore course.
Four hours per week, both semesters.

V. LYSIAS: SELECTED ORATIONS

Exercises in recomposition of the text. Analysis of styles of Lysias. Lectures on the Greek orators.
Freshman-Sophomore course.
Three hours per week, first semester.

VI. HOMER: ILIAD, SELECTIONS

Study of forms from text and from Sterrett's Dialect of Homer. Metrical reading of the Greek. Lectures on the Homeric Poems as literature.
Freshman-Sophomore course.
Three hours per week, second semester.

VII. LUCIAN: SELECTED DIALOGUES

Exercises in recomposition. Required reading of other dialogues in translation. Lectures on the Greek rhetoricians.
Sophomore-Junior course.
Three hours per week, first semester.

VIII. PLATO: APOLOGY, CRITO AND PART OF THE PHAEDO

Discussion of the life and teachings of Socrates. Reading and reviews of the Gorgias, Symposium and Republic in Jowett's translation.
Sophomore-Junior course.
Three hours per week, second semester.

IX. EURIPIDES: IPHIGENIA IN TAURIS; ARISTOPHANES; CLOUDS

Discussion of the plot and characters. Lectures on the Greek theatre. Study of the various metres and exercises in metrical reading.
Junior-Senior course.
Three hours per week, first semester.

X. DEMOSTHENES: ORATION ON THE CROWN

Analysis of the style of Demosthenes. Supplemented by reading from Dionysius and select passages from Hyperides, Isaeus, Aeschines and Isocrates.
Junior-Senior course.
Three hours per week, second semester.

XI. Greek Literature in English

Lectures on style, with class work in Fowler's History of Ancient Greek Literature. Required reading of three Greek authors per semester in the best translations, with critical review of each. The power to criticise independently and appreciate reasonably a work of literary art is sought in this course as well as some direct and personal acquaintance with the literature of Greece.

Junior-Senior course.

Three hours per week, first semester.

XII. Greek Literature in English

Continuation of Greek VII.

Three hours per week, second semester.

XIII. Modern Greek

A Practical Method by Rangabe will be used as a guide. Part of each hour will be given to conversation in Modern Greek.

Junior-Senior course.

Three hours per week, first semester.

XIV. Modern Greek

Continuatio nof Greek XIII. A magazine published at Athens will be taken bv each member of the class. Short stories by present day writers will be read. Conversation on current topics continued.

Junior-Senior course.

Three hours per week, second semester.

HISTORY

A. Harvey Collins, Professor

Courses III, IV, V, VI, IX, X, XI, XII, XIV and XV will be accepted as major courses.

I. General Mediaeval

A survey of the leading events in European History from about 476 to 1500 A. D., with special reference to the development of the great institutions both of Church and State. Text, lectures, collateral readings, preparation of maps and papers.
Sophomore course.
Three hours per week, first semester.

II. Modern Europe

The history of Modern Europe from 1500 to 1815. The text is supplemented by collateral reading, special reports and maps. Open to students who have had History I or equivalent.
Sophomore course.
Three hours per week, second semester.

III. American Colonial History

A study of early American history to 1783. Lectures on the discovery, exploration, founding and development of the English Colonies. An intensive study of the causes and results of the American Revolution. Lectures, text, papers, maps.
Elective course.
Two hours per week, first semester.

IV. American Expansion

Expansion of the American people, along territorial, social and industrial lines. Text and lectures with much collateral reading and preparation of papers and maps.

Elective course.

Two hours per week, second semester.

V. History of the United States

Designed to show the growth of the American National Government by a study of the political, social and institutional development of the United States 1783-1850. Lectures, reports, investigations and comparisons.

Junior-Senior course.

Three hours per week, first semester.

VI. History of the United States

Continuation of History V 1850-1918.

Special emphasis will be laid on the causes of the Civil War, Reconstruction, and the institutional and political development since 1875.

Junior-Senior course.

Three hours per week, second semester.

VII. English History

This course is planned so as to cover the principal features of English History to 1603. Special attention will be paid to the constitutional phases.

Freshman course.

Three hours per week, first semester.

VIII. English History

Continuation of History VII to the present time. Special attention is paid to the constitutional phases and to England's colonial policy and expansion.
Freshman course.
Three hours per week, second semester.

IX. History of the Pacific Slope

A special lecture course from syllabus together with investigations and reports.
Junior-Senior course.
One or two hours per week, first semester.

X. History of the Pacific Slope

Continuation of History IX.
One or two hours per week, second semester.

XI. The Reformation

A detail study of the Protestant Reformation. An attempt will be made to discover the causes leading to the movement and the immediate and ultimate results, as well as to trace the current of events.
Prerequisite, History I and II or VII and VIII.
Elective course.
Three hours per week, first semester.

XII. International Relations

This course is designed to familiarize the student with the more important diplomatic questions that have presented themselves to our own statesmen.

Special attention will be given to American Diplomacy.
Junior-Senior course
Three hours per week, second semester.

XIII. Nineteenth Century Europe
Beginning with the general peace secured by the Congress of Vienna this course deals with the new political, social and international problems that characterize the nineteenth and the beginning of the twentieth centuries.
Prerequisite History II or VII and VIII.
Sophomore-Junior-Senior course.
Three hours per week, first semester.

XIV. History of Latin America
This course deals with the colonial expansion of Spain and Portugal in America and with the political, institutional and industrial development of Latin America. Special attention will be given to the inter-relationship of two Americas.
Junior-Senior course.
Three hours per week, second semester.

XV. History Seminar
A Seminar study of some selected topic or movement. For 1917-18 the topic will be—"The Problem of the Pacific."
Junior-Senior course.
One hour per week, either first or second semester.

HISTORY OF ART

Miss Kate Watkins, Instructor

I. Ancient and Medieval Architecture.
Renaissance and Modern Architecture.
Two hours per week, first semester.

II. Sculpture, Ancient and Modern.
Two hours per week, second semester.

III. Painting, Early Painting and Renaissance.
Two hours per week, first semester.

IV. Painting, Modern.
Two hours per week, second semester.

Lecture courses, supplemented by collateral reading, and picture study. These courses are all elective.

HISTORY OF MUSIC

Flora C. Cook, Instructor

Illustrated Lecture Course

I. History of Music
Ancient Music. Mediaeval Music. Music of the Sixteenth Century. Music of the Seventeenth Century. Text book: Fillmore's History of Music. The text is supplemented by collateral readings.
Required of Sophomores for degree of Mus.
Two hours per week, first semester.

II. Continuation of History of Music I.
Music of the Eighteenth Century and the Classical School. The Nineteenth Century and the Romantic School. Later Modern Schools.
Text book: Same as for History of Music I., with collateral reading.
Required of Sophomores for degree of Mus.
Two hours per week, second semester.

LATIN

James W. Kyle, Professor

Courses VIII, XI, XII, XIII and XIV will be accepted as majors.

I and II. CICERO: ORATIONS AND LETTERS

Composition based on the text. Much reading in Latin to acquire expression. Memorizing of select passages.

Three hours per week, both semesters.

III. and IV. VERGIL: AENEID, BOOKS I-VI.

Metrical reading of the whole text. Discussion of syntax and figures of Vergil. Reading and reports from Sellar's "Vergil." Memorizing of select passages.

Three hours per week, both semesters.

The above courses are intended for students who have entered with only two years of Latin.

V. CICERO: DE SENECTUTE AND DE AMICITIA

Review of forms and syntax. Discussions of the life and thought of Cicero and the sources of his philosophy.

Freshman-Sophomore course.

Three hours per week, first semester.

VI. HORACE: SELECTIONS FROM ODES, SATIRES AND EPISTLES

Will be read metrically to secure ease and fluency in the Latin. Parallel passages from Greek and

English poets. Discussion of the spirit and art of Horace.

Freshman-Sophomore course.
Three hours per week, second semester.

VII. LIVY: SELECTIONS FROM BOOKS I-X.

Lectures on the history of Rome. Discussion of the style and rhetorical methods of Livy.

Freshman-Sophomore course.
Three hours per week, first semester.

VIII. TACITUS: ANNALS

Systematic study of the style of Tacitus. Comparison with Livy and Thucydides. Lectures on the life and times of Tacitus.

Sophomore-Junior course.
Three hours per week, second semester.

IX. LATIN COMPOSITION

Illustrating the syntax and diction of several Latin authors. Designed especially for those who are preparing to teach Latin.

Freshman-Sophomore course
Two hours per week, first semester.

X. LATIN COMPOSITION

A continuation of Course IX.
Two hours per week, second semester.

XI. PLAUTUS: CAPTIVI, TRINUMMUS AND RUDENS

Metrical reading. Lectures on Latin Comedy and the Greek Theatre.
Junior-Senior course.
Three hours per week, first semester.

XII. LUCRETIUS; CATULLUS; TIBULLUS; SELECTIONS

Metrical reading, lectures and critical essays on the Latin poets.
Junior-Senior course.
Three hours per week, second semester.

XIII. PLINY: SELECTIONS FROM THE LETTERS

Discussion of the social life and customs of Rome. Analysis of the style of Pliny compared with Cicero and with Tacitus.
Junior-Senior course.
Three hours per week, first semester.

XIV. QUINTILIAN: INSTITUTIONS, BOOKS X and XII.

Discussion of literary criticism among the Romans, and a rapid survey of the field of Latin literature.
Junior-Senior course.
Three hours per week, second semester.

MATHEMATICS AND ASTRONOMY

Victor L. Duke, Professor
Henry W. Stager, Professor

Courses I, II, III, V, and VI may not be counted toward a major in Mathematics and not more than one of the courses IV, VII and VIII may be so counted.

I. ALGEBRA

This course is substantially equivalent to Intermediate Algebra, frequently offered for matriculation. It should be taken by all Freshmen who do not offer this course for entrance.
Freshman course.
Three hours per week, first semester.

II. TRIGONOMETRY

Analytic Trigonometry, the proof and applications of the fundamental relations among the functions of angles. Practical Trigonometry, the solution of the plane triangle, measurements of heights and distances, sufficient of Spherical Trigonometry to determine the spherical triangle.

Prerequisite, Mathematics I.
Freshman course.
Three hours per week, second semester.

III. SOLID GEOMETRY

The fundamental propositions of Solid and Spherical Geometry with many original exercises applied especially to the mensuration of solids.

Freshman course.
Three hours per week, first semester.

IV. COLLEGE ALGEBRA

Rapid review of the Theory of Quadratic Equations, Permutations and Combinations, Series, Logarithms, Determinants and elementary Theory of Equations.

Prerequisite, Mathematics I.
Freshman-Sophomore course.
Three hours per week, second semester.

V. DESCRIPTIVE AND GENERAL ASTRONOMY

A study of the heavenly bodies, their constitution, laws of motion, physical properties and the processes by which man discovers these facts.

Prerequisite, Mathematics I and II.
Elective course.
Three hours per week, first semester.

VI. Descriptive and General Astronomy

Continuation of Mathematics V.
Three hours per week, second semester.

VII. Elements of Analytic Geometry

A study of the point, the line and the circle, with some of the more important and elementary theorems on the conic sections.
Prerequisite, Mathematics I and II.
Freshman-Sophomore course.
Three hours per week, first semester.

VIII. Elementary Projective Geometry

Fundamental concepts; anharmonic ratio; projective pencils and ranges. Designed especially for those who propose to teach mathematics.
Prerequisite, Mathematics I and II.
Freshman-Sophomore course.
Three hours per week, second semester.

IX. Differential and Integral Calculus

Fundamental formulae and processes of differentiation and an insight into the powerful factor which this subject is in modern scientific research.
Prerequisite Mathematics I, II, VII.
Sophomore-Junior-Senior course.
Three hours per week, first semester.

X. Differential and Integral Calculus

Continuation of IX.
A study of the processes of integration and their application to physical and mechanical problems.
Prerequisite, Mathematics I, II, VII, IX.
Sophomore-Junior-Senior course.
Three hours per week, second semester.

*XI. Advanced Analytical Geometry

A more detailed study of the properties of the conic section; some insight into the study of higher plane curves.
Prerequisite, Mathematics I, II, IV, VII, IX, X.
Junior-Senior course.
Three hours per week, first semester.

XII. Advanced Analytical Geometry

Continuation of Mathematics XI, including introduction to modern methods in analytic geometry.
Three hours per week, second semester.

XIII. Theory of Equations

Equations of higher degrees, symmetric functions of roots, determinants of higher orders.
Prerequisite, Mathematics I, II, IV, VII, IX.
Junior-Senior course.
Three hours per week, first semester.

*XIV. Analytic Geometry of Three Dimensions

Analytic study of the plane and straight line in space, surfaces of the second degree, introduction to theory of surfaces in general.
Prerequisite, Mathematics I-IV, VII, IX.
Junior-Senior course.
Three hours per week, second semester.

XV. Differential Equations

Principles involved in the solution of such equations and the applications of this branch of mathematics to mechanics.
Prerequisite, Mathematics I, II, IV, VII, IX, X.
Junior-Senior course.
Three hours per week, first semester.

*XVI. Advanced Integral Calculus

Special attention will be given to the definite integral and to elliptic integrals.
Prerequisite, Mathematics I, II, IV, VII, IX, X.
Junior-Senior course.
Three hourse per week, second semester.

*Courses XI, XIV and XVI will not be given during the year 1917-18.

PHILOSOPHY AND EDUCATION

Herbert E. Wise, Professor

For the student who desires to major in Philosophy, the course is designed to arouse an eager interest in the great problems of the universe and human experience; to stimulate accurate reflection thereupon, and to elicit personal judgment, such as will adequately meet the requirements of the complex nature of man.

Courses I, II, V, VI, and VIII are required of students majoring in Philosophy. The additional six hours may be chosen from IV and VII. All of these courses will be accepted as majors.

I. Logic

Historic stages in the development of logic; principles of deduction and induction; detection of fallacies; training in discriminative and consecutive thinking.

Sophomore-Junior-Senior course.

Three hours per week, first semester.

II. Introduction to Philosophy

This course affords a survey of the field of philosophic enquiry, both in its historical and interpretative aspects.
Sophomore-Junior-Senior course.
Three hours per week, second semester.

III. Psychology

An introduction to the field of Psychology. The elements and functions of conscious life, and the affective, discursive and volitional processes are studied in their relation to practical life.
Papers and reports of individual inquiry supplement the text.
Biology III is most desirable as preparation for this course. Major course.
Junior-Senior course.
Four hours per week, first semester.

*IV. (a) Principles of Education

This course emphasizes the distinguishing aspects of the educative process, comprising the biological, psychological, sociological, and religious. Text is supplemented by special investigations.
Pre-requisite III. Junior-Senior course.
Three hours per week, second semester.

(b) History of Education

The functional aspects of the history of education are traced thru Ancient, Mediaeval and Modern periods, as shown in individual and social aims.
Text, lectures and reports.
Prerequisite III.
Junior-Senior course.
Three hours per week, second semester.

V. History of Philosophy

The course traces the development of philosophy from the Greek interpretation of the universe to the scientific explanation of the modern period. Careful attention is given to Plato and Aristotle; to the period of Scholasticism; and to the independent thinkers from Descartes to Hume.

Special studies supplement the text at historic epochs.
Pre-requisites, Phil. I, II.
Junior-Senior course.
Four hours per week, first semester.

VI. History of Philosophy (continued).

Particular attention is given to the rise and development of the Kantian system; to Kant's influence upon subsequent thought; and to Post-Kantian Idealism in Europe and America, chiefly with reference to Hegelianism and its tendencies. Thesis required.

Prerequisites, Phil. I, II, V.
Junior-Senior course.
Four hours per week, second semester.

*VII (a) Philosophy of Religion

Nature and development of religion; characteristic aspects of developed religion; religious knowledge and its validity; the ultimate truth of religion.
Prerequisites, Phil. I, II, III, V, VI.
Senior course.
Three hours per week, first semester.

(b) Psychology of Religion

The phenomena of the religious life; the psychology of conversion, its types and manifestations; the

psychology of faith and its enlarging spheres of consciousness.

Senior course.

Three hours per week, first semester.

VIII. Contemporary Philosophy

The ruling ideas of present philosophical thought are viewed critically, while select reading from representative thinkers enables the student to construct for himself a comprehensive and consistent philosophy of life. Thesis required.

Prerequisites, Phil. I, II, III, V, VI.

Senior course.

Four hours per week, second semester.

IX. Theism

Divine and human personality; arguments for the Divine existence; principal Anti-Theistic theories; ethical and religious teaching of Christianity; relation of Christianity to other religions.

Senior course.

Two hours per week, first semester.

X. Ethics

This course treats of problems and relations, moral standards, theories of moral values, and includes an historical survey of the classical schools. Thesis required.

Senior course.

Three hours per week, second semester.

* (a) Omitted in 1917-18.

GENERAL PHYSICS

Herbert E. Marsh, Professor

I. Mechanics, Molecular Physics and Heat

This course is designed for those who have not had a requisite amount of work in this subject to undertake the more advanced courses III and IV, and also to meet the requirements of courses involving the essentials of this branch of science. May be pursued without previous work in Physics.
Prerequisite Math. I.
This course may not be counted as a major.
Recitations and lectures three hours and two laboratory periods per week, first semester.

II. Continuation of I.

Recitations and lectures three hours and two laboratory periods per week, second semester.

III. Mechanics, Molecular Physics, Heat and Sound

Altho the grasping of principles and not skill in manipulation is strongly emphasized, still the fixing power of laboratory application is recognized. The purpose is to give the student an insight into the real significance of physical things, by putting him in touch with the methods and instruments of modern physical investigation and by carrying him thru the process of reasoning by which the present science of physics has been developed.
Prerequisite, one year of entrance Physics and Mathematics II and IV. Major course.
Junior Senior course.
Recitation and lectures two hours and two laboratory periods per week, first semester.

IV. Light, Electricity and Magnetism

Continuation of Physics III. Presented in a similar manner and with the same aim.

Junior-Senior course.

Recitation and lectures two hours and two laboratory periods per week, second semester.

V. Electrical Measurements

Various methods for exact determination of voltage, resistance, and current; also study and calibration of various types of galvanometers, voltmeters, ammeters, condensers, etc.

Major course.

Junior-Senior course.

One recitation and three laboratory periods per week, first semester.

POLITICAL AND SOCIAL SCIENCE

H. C. Tilton, Professor

All courses listed under this department will be accepted as majors.

I. Introduction to Sociology

A study of the origin and development of the family and the evolution of certain social institutions. Modern social problems such as divorce, immigration, pauperism, socialism, etc., will receive due attention.

Sophomore course.

Three hours per week, first semester.

II. Principles of Sociology

An analysis of social life and the forces producing social organization; application of principles to concrete problems. Text, lectures and reports.
Prerequisite, Psychology and Course I.
Junior-Senior course.
Three hours per week, second semester.

III. Introduction to Economics

The development and significance of the charteristic features of economic life, the principles governing production, distribution and consumption, and the practical economic problems of modern life.
Sophomore-Junior course.
Three hours per week, first semester.

IV. Introduction to Economics

Continuation of III.
Sophomore-Junior course.
Three hours per week, second semester.

V. Government

A discussion of the essential constituent elements of the state; of the functions and sphere of the state; of citizenship and nationality; of constitutions, their nature, sources and kinds; of the more important theories concerning the origin, nature, functions and organizations of the state.
Sophomore-Junior-Senior course.
Three hours per week, first semester.

VI. Municipal Government

Mainly a study of the modern American city will be made. The historical and comparative method will be used as examination is made of the government and experiences of European cities.
Junior-Senior course.
Three hours per week, second semester.

VII. European Governments

A comparative study of the political institutions of the leading states of Europe.
Sophomore-Junior-Senior course.
Three hours per week, first semester.

VIII. United States Government and Politics

The organization of state and national governments, their actual working and the history and function of political parties.
Freshman-Sophomore course.
Three hours per week, second semester.

IX. International Law

A study of the general principles governing nations in their intercourse with each other, such as rules of peace and war, diplomatic usage and methods of arbitration. Special study of the Hague conferences.
Junior-Senior course.
Three hours per week, first semester.

X. Constitutional Law

Principles and development of American constitutional law. Lectures, reports and cases.

Prerequisite, V. or VIII.

Elective course.

Three hours per week, second semester.

XI. Economic Theory

Special studies in the leading problems of economic theory, such as the nature and origin of value, the laws of normal value and origin of interest.

Prerequisite, III and IV.

Elective course.

Three hours per week, first semester.

XII. Industrial Corporations

The course deals with the nature and history of corporations and their significance in modern life. Attention is given to the problems arising from the growth of corporations and combinations, and to various remedies proposed.

Prerequisite, III and IV.

Elective course.

Three hours per week, second semester.

XIII. Money and Banking

Principles of money; recent monetary history; present problems with reference to the reform of the banking system in the United States.

Prerequisite, III and IV.

Elective course.

Three hours per week, first semester.

XIV. Labor Problems

History and development of organized labor, labor problems, and labor legislation.
Prerequisite, III and IV.
Elective course.
Three hours per week, second semester.

SPANISH

Edith A. Hill, Professor

I. First Year Spanish

Ready familiarity with the essentials of Spanish grammar, and systematic training in pronunciation, conversation and reading.
Four hours per week, first semester.

II. First Year Spanish

Continuation of Spanish I.
I. and II are continuous course.
Four hours per week, second semester.

III. Second Year Spanish

Selected texts from modern Spanish authors.
Major course.
Three hours per week, first semester.

IV. Second Year Spanish

Continuation of Spanish III.
Major course.
Three hours per week, second semester.

Schedule of Recitations

FIRST SEMESTER

7:45 O'CLOCK

Bible V	M				
English I, (Section I)			W	Th	F
English III	M	T			
Geology I		T	W	Th	F
Greek III	M	T	W	Th	
History I			W	Th	F
History IX	M	T			
Mathematics I	M	T			
Mathematics III			W	Th	F
Physics III	M	T			
Political Science III	M	T			
Political Science VII			W	Th	F
Spanish I	M	T			
Spanish III			W	Th	F

8:45 O'CLOCK

Bible V			W		
Biology V	M	T	W	Th	
Chemistry I	M	T			
Chemistry V	M				
English III			W		
English XXI		T		Th	F
Geology I					F
German I	M	T		Th	F
German IX	M	T	W		
Harmony III	M			Th	
History III				Th	F
History VII	M	T	W		
History of Art I		T			F
Latin I	M	T		Th	
Latin V			W		F
Mathematics I			W		
Mathematics VII					F
Philosophy I	M	T		Th	
Physics III	M	T		Th	F
Political Science III			W		
Political Science V	M			Th	F
Spanish I				Th	F

9:45 O'CLOCK

Biology III		T			
Biology V				Th	
Chemistry I	M	T		Th	F
Chemistry V	M				
English XXXIII				Th	F
French III	M		W		F
German III	M		W		F
German V		T		Th	
Greek I	M	T	W	Th	
Harmony I		T			F
Latin VII					F
Mathematics VII		T		Th	
Mathematics IX	M		W		F
Philosophy III	M		W	Th	F
Physics I	M	T	W	Th	F
Political Science I	M			Th	F

10:45 O'CLOCK

Biology III		T	W	Th	F
Chemistry III				Th	F
Chemistry V	M				
Chemistry VII		T	W		
English I (Section II)	M	T	W		
English XV	M	T	W		
English XXXI				Th	F
History V	M	T	W		
Latin III	M		W		F
Latin VII		T		Th	
Mathematics V	M	T	W		
Philosophy VII	M	T	W		
Philosophy IX				Th	F
Physics I				Th	F
Political Science XIII	M	T	W		

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Biology I		T	W	Th	F
Chemistry III	M	T			
Chemistry V				Th	F
Chemistry VII				Th	F
Engineering I				Th	F
Engineering III	M	T			
Engineering V				Th	F
English IX	M	T	W		
English XXVII				Th	F
French I	M	T		Th	F
Greek XI	M		W		F
History XI		T	W	Th	
Political Science XI	M	T	W		

2:00 O'CLOCK

Biology I			W		
Chemistry III	M	T			
Chemistry V				Th	F
Chemistry VII				Th	F
Engineering I				Th	F
Engineering III	M	T	W		
Engineering V				Th	F
English VII			W	Th	F
English XVII	M	T	W		
French VII	M	T		Th	
Greek V	M		W		F
History XIII		T	W	Th	
History of Art III		T			F
History of Music I	M			Th	
Philosophy V		T		Th	F
Political Science IX	M	T	W		

3:00 O'CLOCK

Chemistry III	M	T			
Chemistry V				Th	F
Chemistry VII				Th	F
Engineering V				Th	F

SECOND SEMESTER

7:45 O'CLOCK

Bible VI	M				
English II (Section I)			W	Th	F
English IV	M	T			
Geology II		T	W	Th	F
Greek IV	M	T	W	Th	
History II			W	Th	F
History X	M	T			
Mathematics II	M	T			
Mathematics IV			W	Th	F
Physics IV	M	T			
Political Science IV	M	T			
Political Science VIII			W	Th	F
Spanish II	M	T			
Spanish IV			W	Th	F

8:45 O'CLOCK

Bible VI			W		
Biology VI	M	T	W	Th	
Chemistry II	M	T			
Chemistry VI	M				
English IV			W		
English XXII		T		Th	F
Geology II					F
German II	M	T		Th	F
German X	M	T	W		
Harmony IV	M			Th	
History IV				Th	F
History VIII	M	T	W		
History of Art II		T			F
Latin II	M	T		Th	
Latin IV			W		F
Mathematics II			W		
Mathematics VIII					F
Philosophy II	M	T		Th	
Physics IV	M	T		Th	F
Political Science IV			W		
Political Science VI	M			Th	F
Spanish II				Th	F

9:45 O'CLOCK

Biology IV		T			
Biology VI				Th	
Chemistry II	M	T		Th	F
Chemistry VI	M				
English XXXIV				Th	F
French IV	M		W		F
German IV	M		W		F
German VI		T		Th	
Greek II	M	T	W	Th	
Harmony II		T			F
Latin VIII					F
Mathematics VIII		T		Th	
Mathematics X	M		W		F
Philosophy IV	M		W		F
Philosophy VIII		T			
Physics I	M	T	W	Th	F
Political Science II	M			Th	F

10:45 O'CLOCK

Biology IV		T	W	Th	F
Chemistry IV				Th	F
Chemistry VI	M				
Chemistry VIII		T	W		
English II (Section II)	M	T	W		
English XVI	M	T	W		
English XXXII				Th	F
History VI	M	T	W		
Latin IV	M		W		F
Latin VIII		T		Th	
Mathematics VI	M	T	W		
Philosophy VIII				Th	F
Philosophy X	M	T	W		
Physics II				Th	F
Political Science XIV	M	T	W		

11:45 O'CLOCK—ASSEMBLY

1:00 O'CLOCK

Biology II		T	W	Th	F
Chemistry IV	M	T			
Chemistry VI				Th	F
Chemistry VIII				Th	F
Engineering II				Th	F
Engineering IV	M	T			
Engineering VI				Th	F
English X	M	T	W		
English XXVIII				Th	F
French II	M	T		Th	F
Greek XII	M		W		F
History XII		T	W	Th	
Political Science XII	M	T	W		

2:00 O'CLOCK

Biology II			W		
Chemistry IV	M	T			
Chemistry VI				Th	F
Chemistry VIII				Th	F
Engineering II				Th	F
Engineering IV	M	T	W		
Engineering VI				Th	F
English VIII			W	Th	F
English XVIII	M	T	W		
French VIII	M	T		Th	
Greek VI	M		W		F
History XIV		T	W	Th	
History of Art IV		T			F
History of Music II	M			Th	
Philosophy VI		T		Th	F
Political Science X	M	T	W		

3:00 O'CLOCK

Chemistry IV	M	T			
Chemistry VI				Th	F
Chemistry VIII				Th	F
Engineering VI				Th	F

College of Fine Arts

DEPARTMENT OF MUSIC AND ART

GENERAL INFORMATION

In accordance with the plan followed in connection with the other departments of the University, provisions have been made for the most thorough and advanced work in the Departments of Music and Art.

The line of work in the University course in Music, conferring the degree of Bachelor of Music, corresponds with that of some of the European Universities.

Preparatory, or Elementary work has also been provided to accommodate those who have not the proper number of entrance requirements for registration in the College work in Music. Saturday classes for children and young people in both Piano and Art provide a valuable opportunity for the cultivation of talent in the early years under the guidance of competent instructors, who are under the supervision of the Dean of the College of Fine Arts.

Realizing the extent to which superior musical efficiency is attainable only in conjunction with the highest cultural development, stress is laid upon this phase of the students' growth; and special attention is directed to such courses in the other departments of the University as will prove of value in this respect to Music and Art students.

A Choral Society under the direction of the Head of the Department of Voice gives opportunity for expression and development of musical ability to the students of the entire University.

The College of Fine Arts is prepared to furnish the following eminent soloists for concerts, recitals, etc., in whole or in part:

Olga Steeb, the celebrated pianist.

Oskar Seiling, the famous violinist.

Dean Chas. Edward Hubach, noted tenor.

Also the University Octet and the College Glee Club of men's voices are open to a limited number of engagements.

For particulars and terms, address the Dean of the College of Fine Arts, University of Redlands, Redlands, California.

Classes in the Department of Music will be organized at the beginning of the college year, as indicated in the Calendar.

Special lessons may be begun at any time.

Piano practice may be arranged for at the Fine Arts Building or Bekins Hall.

DEPARTMENTS, DEGREES AND REQUIREMENTS

DEPARTMENTS

The College of Fine Arts is made up of the following Departments:

(1) Music. (2) Drawing and Painting.

DEGREES AND CERTIFICATES

A Diploma conferring the degree of Bachelor of Music, will be awarded to those who complete the required courses in the department of Music.

A Special Diploma conferring the degree of Bachelor of Music will be awarded to those who complete the required courses with high standing in all subjects as well as in public performance.

REQUIREMENTS FOR ADMISSION

There are two methods of admission to the College of Fine Arts, (1) by Examination, (2) by Certificate.

By Examination:—All students who cannot present certificates from accredited schools will be examined in the subjects required for entrance.

By Certificate:—Students will be admitted without examination on certificates from accredited High Schools or other preparatory schools, provided that the course pursued in High School shall include at least twelve units in subjects usually designated as solids.

Students who do not present Physics for entrance will be required to pursue that subject thru at least the discussion of Sound.

In Piano and Organ—Applicants are required in-addition to the above to pass an examination embracing the following or their equivalent:

1. An exercise. 2. Selections from Bach. 3. Sonata—Classical School.

In Voice and Violin:—Applicants for the regular course in Voice, or Violin must be able to play Piano accompaniment of moderate difficulty. Any defi-

ciencies in this respect must be made up before graduation.

SPECIAL STUDENTS IN MUSIC

Students need not be deterred from seeking to enter the School of Fine Arts of the University because they can not satisfy all the requirements for full admission to that school. Those requirements are for persons who are candidates for a degree in music. All persons who desire to pursue a special line of work, without conforming to the requirements for entrance, or following a prescribed course, may apply for admission to the School of Fine Arts as special students. The admission of such persons is under the control of the Dean, to whom they should apply, and whose certificate of acceptance must be presented to the Registrar before registration.

REQUIREMENTS FOR GRADUATION

No student will be permitted to graduate from the Department of Music, College of Fine Arts, who has not credit for the 124 hours as designated below, including two years of physical education, and who has not taken at least one year of regular work at the University.

Students taking instrument work in music are required to practice two hours per day for each lesson taken per week. This is considered as laboratory work, and together with the lesson taken gives three hours of college credit toward the 124 hours required for graduation.

Students taking Voice are required to practice from one-half hour to two hours per day, according to the grade of the work, for each lesson taken per week. This is considered as laboratory work, and together with the lesson taken gives the student two hours of college credit toward the 124 required for graduation.

The required work leading to the different degrees is as folows:

Bachelor of Music in Voice

Voice	32 hours
Piano (Special)	24 hours
History of Music	4 hours
Theory	16 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Physical Education	4 hours
Sight Singing and Ear Training	2 hours
Electives	4 hours
Total	124 hours

Bachelor of Music in Piano

Piano	48 hours
History of Music	4 hours
Theory	16 hours
Choral	1 hour
Sight Singing and Ear Training	2 hours
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Physical Education	4 hours
One additional Instrument or Voice	8 hours
Electives	4 hours
Total	124 hours

Bachelor of Music in Violin

Violin	48 hours
Piano (Prep.)	12 hours
History of Music	4 hours
Theory	16 hours
Sight Singing and Ear Training	2 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Physical Education	4 hours
Total	124 hours

Bachelor of Music in Organ

Organ	24 hours
Piano	24 hours
History of Music	4 hours
Theory	16 hours
Sight Singing and Ear Training	2 hours
Choral	1 hour
English	6 hours
Modern Languages	18 hours
General History	6 hours
Sociology	3 hours
Psychology	4 hours
Physical Education	4 hours
Electives	12 hours
Total	124 hours

Note—For description of required Liberal Arts courses see Departments of Instruction, College of Liberal Arts.

ART

Students for the Art Department will be admitted at any time, but not for less than one semester except by special arrangement with the Dean.

Instruction in all Art classes is individual. Advancement of each student depends upon the degree of proficiency attained.

ADDITIONAL REQUIREMENTS

ARTISTS' COURSE—COLLEGIATE COURSE

These courses are identical in outline, but students in the Artists' course are expected to do a larger amount of work, to maintain the highest grade in all musical subjects, and give a graduating recital. This is not required in the collegiate course, which is intended for those who wish to fit themselves for teachers or take music for personal culture rather than to become public performers. After the second year students are graded in the two courses according to their standing.

Students who are backward in technical development at the end of the Sophomore year must make up the deficiency by special work in Piano before they receive Junior standing.

CONCERTS AND RECITALS

Concerts are frequently given in Recital Hall, by the Faculty and advanced students.

Concert courses which are arranged for at special rates by the Spinet Club of Redlands, afford Students an opportunity to hear many noted musicians.

Recitals are given semi-monthly by the students of the College of Fine Arts at which works studied in the class room are performed before audiences of fellow students and their friends. All Fine Arts students are required to attend these concerts and recitals, and to take part in programs at least twice a year and to present, each semester, a record of attendance. These semi-public appearances are of great assistance in enabling the student to acquire the ease and self-possession so essential to a successful public appearance.

At the close of the college year, during Commencement Week, the Anniversary Recital of the College of Fine Arts, Department of Music is held; at which the students doing the best work in performance at the above-mentioned recitals will be heard.

EXPENSES

A Matriculation fee of Five Dollars is required of each student on registration at the offices of the University.

Rates with heads of departments: Per semester, 16 weeks.

Voice, two periods per week	$96.00
Voice, one period per week	48.00
Voice, (3 in class) two periods per week	64.00
Voice, (3 in class) one period per week	32.00
Piano, two periods per week	96.00
Piano, one period per week	48.00
Organ, two periods per week	64.00
Organ, one period per week	32.00
Violin, one period per week	48.00

Rates for Special Students.

(Private lessons at stated rates may be begun at any time during the year, students paying for the individual lessons proportionately.)

Rates with Instructors.

Piano, two periods per week	64.00
Piano, one period per week	32.00
Piano, two periods per week	42.00
Piano, one period per week	22.00
Piano (Saturday class for young people)	12.00
Violin, two periods per week	42.00
Violin, one period per week	22.00

Rates for Art students.

Drawing and Painting, five hours per week	50.00
Drawing and Painting, two hours per week	20.00
Children's Class, (Saturdays) one hour	12.00
Practice Piano fee, per semester	5.00

The other courses required in the College of Fine Arts are class subjects, and are paid for at the regular rate of $16.00 for each five hours of class recitation or fraction thereof.

DEPARTMENTS OF INSTRUCTION

ART

Kate Watkins, Head of Art Department

Complete course in the following:

Drawing.
Modelling in clay.
Painting in oil and water color.
Working from the cast, still life, and model.
Composition and design.
Out-door sketching.

The following course is designed for those who wish to prepare themselves for teachers of Art. A certificate of proficiency will be awarded for the satisfactory completion of this course which is open to graduates of recognized high schools:

Studio work	18 hours
Art History	8 hours
English	6 hours
Psychology	4 hours
Ethics	3 hours
Modern Languages	14 hours
Biblical Studies	2 hours
Electives	10 hours
Total	65 hours

STUDIO WORK

Charcoal drawing from cast and still life.
Pen and ink, and pencil drawing.
Modelling in clay.
Painting in oil and water color, from still life and model.
Outdoor sketching.
Composition and design.
Painting from life. (Tuesdays and Fridays only.)
Artistic anatomy—Perspective.

I. Ancient and Mediaeval Architecture.
Renaissance and Modern Architecture.
Two hours per week, first semester.

II. Sculpture, Ancient and Modern.
Two hours per week, second semester.

III. Painting, Early Painting and Renaissance.
Two hours per week, first semester.

IV. Painting, Modern.
Lecture courses, supplemented by collateral reading and picture study.
Two hours per week, second semester.

HISTORY OF MUSIC

Flora C. Cook, Instructor

Illustrated Lecture Course

I. HISTORY OF MUSIC
Ancient Music. Mediaeval Music. Music of the Sixteenth Century. Music of the Seventeenth Century. Text book: Fillmore's History of Music. The text is supplemented by collateral readings.
Required of Sophomores for degree of Mus.
Two hours per week, first semester.

II. CONTINUATION OF HISTORY OF MUSIC I.

Music of the Eighteenth Century and the Classical School. The Nineteenth Century and the Romantic School. Later Modern Schools.

Text book: Same as for History of Music I., with collateral reading.

Required of Sophomores for degree of Mus.

Two hours per week, second semester.

PIANO

Olga Steeb, Professor
Annette Cartlidge, Instructor
Flora Cordelia Cook, Instructor

I. PIANO

Technical training according to the principles of modern piano technique. Systematic training in art-principles of technique, phrasing and tone-quality.

Elementary study of the characteristics of the various classic composers. Repertoire of selections from standard works by the best composers.

Berens, Czerny, Heller, Bach.

Freshmen course.

Two hours per week, first semester.

II. PIANO

Technical training.

Continuation of classical study (at least two Sonatas).

Repertoire of selections from the works of the best composers, classic and romantic.

Freshmen course.

Two hours per week, second semester.

III. PIANO

Technical training—Czerny, Cramer, Kulak.—Study of the characteristics of the various classic composers. Repertoire.
Sophomore course.
Two hours per week, first semester.

IV. PIANO

Technical training—Continuation of classical study (at least two Sonatas). Repertoire.
Sophomore course.
Two hours per week, second semester.

V. PIANO

Technical training. Romantic School. Beethoven.—Sonatas. Repertoire.
Exercises for the independence of the fingers, I. Phillip. Studies of Clementi, Cramer, Czerny (Op. 740) and others as needed. Bach.
Junior course.
Two hours per week, first semester.

VI. PIANO

Technical training.—Bach (continued.) Beethoven (continued.)
The Romantic School.
Junior course.
Two hours per week, second semester.

VII. PIANO

Technical training.
Studies selected from the works of the greatest masters of pianistic literature.
Senior course.
Two hours per week, first semester.

VIII. Piano

Technical training. Interpretations (Christiani, Art-principles.) Pedagogics (for prospective teachers.)
Senior course.
Two hours per week, second semester.

PUBLIC SCHOOL MUSIC

Annette Cartlidge, Instructor

The University offers unusual advantages to students wishing the best preparation for efficient teaching, especially to those who wish to prepare themselves to teach music in high schools in addition to German, English, or some other subject.

Teachers with experience in public schools and with some musical training, who desire to enter a special field, will find the course suited to their needs. Students may combine work in this department with the four years course in Liberal or Fine Arts.

I. Public School Music

Fundamentals of music teaching in the kindergarten. Rhythmic expression. Singing games. Song interpretation. Individual singing. Work with monotones. Original and creative songs.
Fundamentals of music teaching in the primary grades, including first, second, and third grades.
The work of the kindergarten expanded and enlarged. Practice teaching.
Fundamentals of music teaching in the fourth, fifth, and sixth grades.
Two hours per week, first semester.

II. Public School Music

Continuation of I. Fundamentals of music teaching in the seventh and eighth grades.
High School course outlined. Preliminaries to sight singing, chorus, glee clubs, orchestra, music appreciation, presentation of Harmony, analysis, musical form, materials, and practice teaching.
Two hours per week, second semester.

III. Sight Singing and Ear Training

Freshmen course.
Two hours per week, first semester.

IV. Sight Singing and Ear Training

Continuation of III.
Freshmen course.
Two hours per week, second semester.

THEORETICAL SUBJECTS

HARMONY, COUNTERPOINT, FORM AND COMPOSITION

Flora Cordelia Cook, Instructor

I. Harmony

The rudiments of music. Major and minor scales. Intervals. Chords and their inversions.
Freshmen-Sophomore course.
Two hours per week, first semester.

II. Harmony

Harmonization of figured basses and melodies using triads.
Freshmen-Sophomore course.
Two hours per week, second semester.

III. Harmony

The dominant seventh and ninth chords and their inversions. Modulation. Secondary sevenths.
Sophomore-Junior-Senior course.
Prerequisite I and II.
Two hours per week, first semester.

IV. Harmony

Suspensions and embellishments.
Diminished seventh chords.
Chromatic harmony.
Sophomore-Junior-Senior course.
Two hours per week, second semester.

*V. Counterpoint

Junior-Senior course.
Prerequisite I and II.
Two hours per week, first semester.

VI. Canon and Fugue

Prerequisite, V.
Two hours per week, second semester.

*VII. Harmonic Analysis and Musical Form

Free composition and orchestration analysis.
Prerequisite, I-VI.
Two hours per week, first semester.

VIII. Musical Appreciation

Elective course.
Two hours per week, second semester.

*Note:—V and VI alternate with VII and VIII. VII and VIII will be given 1917-18.

VIOLIN

Oskar B. Seiling, Professor

Mrs. Madeline Barnes-Childs, Instructor

I. VIOLIN

Joachim method, first part of Book I.
Violine Technique; Sevcik, Book I.
Training of ear; bowing and left hand.

II. VIOLIN

Joachim methods, second part of Book I.
Violin Technique; Sevcik.
Etudes: Kayser, Mazas, Herman, etc.
Easy solos from the different composers.

III. VIOLIN

Joachim method, third part of Book I.
Violine Technique; Sevcik Book II.
Scales and other studies; Haroldi.
Etudes: Mazas, Leonard, Dont, etc.
Solos according to ability of student.

IV. VIOLIN

Joachim method, fourth part of Book I.
Violine Tecnhique; Sevcik.
School Concerti and other selections; Ries, Viotti, Rode, etc.

V. VIOLIN

Joachm method, Book II.
Violine Technique; Sevcik.
Etudes: Herman, Dont, Mazas, etc.
Concerti, Sonate and other solos from modern and old composers.

VI. VIOLIN

Joachim method, Book II.
Violine Technique; Sevcik.
Concerti, Sonate and other solos from Beethoven, David, Massenet, Couperin, Brahms, Bach, etc.

VII. VIOLIN

Joachim method.
Violine Technique; Sevcik.
Etudes: Rode, Leonard, Campanolli, etc.
Concerti: Spohr, Vitalli, Lipinski etc.
Sonate: Veraccini, Tartini, Corelli, Bach.

VIII. VIOLIN

Joachim method.
Violin Master Technique; Sevcik.
Etudes: Leonard, Petri, Dont, Vieuxtemps, Paganini.
Concerti for finish and interpretation; Saint-Saens, Mendelssohn, Wieniawski, Beethoven, Paganini, etc.

VOICE

Charles Edward Hubach, Professor

I. Voice

Systematic training in voice production. Ear and mental training in regard to tone-quality.

Concone's Fifty Lessons for Medium Part of Voice.

Freshmen course.

Two hours per week, first semester.

II. Voice

Physical training in regard to tone-quality.

Bel Canto. Anthology of Italian Song, embracing the pre-classical song writers, Peri, Caccini, Carissimi and Monteverdi.

Freshmen course.

Two hours per week, second semester.

III. Voice

Continuation of Voice II. Voice from Psychological view point, Interpretation. Continuation of Anthology of Italian Song, volumes I and II. Early classics of Italian School; Scarlatti, Handel, Caldara, Gluck, etc.

Sophomore course.

Two hours per week, first semester.

IV. Voice

Concone's Forty and Twenty-five Lessons for Medium Part of Voice. English and American picture study.

Sacred Song Literature for Protestant Churches.

English and American Simple Secular Song Literature.
Sophomore course.
Two hours per week, second semester.

V. Voice

Continuation of Voice IV. Concone's Fifteen Lessons. Later Italian Classics: Mozart, Haydn, Rossini, Donizetti, Bellini, Verdi, etc., Oratorio opera.
Junior course.
Two hours per week, first semester.

VI. Voice

Trills, cadenze and general training in agility.
English and American general song literature of medium difficulty. Oratorio opera.
Junior course.
Two hours per week, second semester.

VII. Voice

Continuation of Voice VI. Ensemble singing.
General old and new opera.
German and French song literature, including Schumann, Schubert, Brahms, Franz, Grieg, etc.
Senior course.
Two hours per week, first semester.

VIII. Voice

Dramatic singing or singing with action.
General International Repertoire (compositions sung in the original languages).
General training for teachers of voice.
Senior course.
Two hours per week, second semester.

Register of Students

GRADUATES 1916

BACHELOR OF ARTS

Cyren, Hilma Elevera ..... Philosophy
Hazard, Lucy Lockwood ..... English
Hentschke, Armin Carl ..... History
Lee, Ruth Elizabeth ..... History
Nixon, Herman William ..... History
Redden, Anne Mary ..... Philosophy
Rentfrow, Verda M. ..... Ancient Languages
Setterlund, Gertrude Roberts ..... Philosophy
Weber, Lotta Louise ..... Latin

BACHELOR OF PHILOSOPHY

Gordon, Palmer
Long, Esther Melora
Setterlund, Elmer Leonard
Treat, Mila Hakes
Wisdom, Gaile Lessie

BACHELOR OF SCIENCE

Scott, Miriam Frances

BACHELOR OF MUSIC

Ward, Ruth Clarissa ..... Piano

FOR THE YEAR 1916-17

Abbey, J. Walker, Soph., Sci. .....Alhambra, Cal.
Abbott, Gurnsey Harlan, Fr. .....Parma, Idaho
Ahlstrom, Eleanor Christina, Soph., Lang. ....Los Angeles
Alcantara, Pedro, Fr. .....Philippine Ids.
Alford, Nellie Lorena, Jun., Eng. .....Long Beach, Cal.
Andrews, Aileen Ruth, Soph., Biol. .....Redlands
Archer, Orilla, Soph., Eng. .....Santa Barbara, Cal.
Arth, Edna, Spl., Mu. ..... Redlands
Ballard, Adah Cleo, Fr. ..... Redlands
Ballard, Silas M., Fr. .....Redlands
Bamford, Edwin F., Fr. ..... Redlands
Batterson, Beatrice , Spl., Mu. .....Redlands
Bayerle, Elwood D., Jun., Eng. .....Redlands
Bemis, Eva May, Soph. ..... Rialto, Cal.
Benson, Rhoda E., Sen., His. .....East Highlands, Cal.
Berger, Carey Kingsbury, Sen., Eng. .....Osage, Iowa
Black, Carolina Abigail, Sen., Piano.....Redlands
Bland, Clifford, Spl., Mu. .....Long Beach, Cal.
Blowers, Edith Jeannette, Sen., Latin.....Madera, Cal.
Blowers, Francis Emile, Prep. .....Madera, Cal.
Blowers, Ruth Anna, Fr. .....Madera, Cal.
Boettger, Lulu L., Spl., Mu. .....Redlands
Brown, Chas. Milton, Jr., Fr. .....Redlands
Brown, Evelyn Frances, Fr. .....San Bernardino, Cal.
Brownlie, Jean Alexander, Fr. .....Vallejo, Cal.
Buchanan, Ethel M., Spl., Mu. .....San Bernardino, Cal.
Burkey, Ulysses, Fr., Mu.....San Bernardino, Cal.
Burnight, Ernest Robert, Spl., Chem.....Redlands

Byerly, Perry, Fr. ..... Redlands
Campbell, Annie Jane, Jun., Voice .....Pasadena, Cal.
Campbell, Clinton C., Jun., Eng. .....Pasadena, Cal.
Carlisle, Ruth, Fr. ..... Chicago, Ill
Carmichael, Mrs. Louise F., Spl., Mu. .....Redlands
Carter, Clara Leila, Fr.....Porterville, Cal.
Chadwick, Wallace L., Fr. ..... Redlands
Christensen, Nellie, Jun., Hist. ..... Selma, Cal.
Coggins, May Angeline, Fr. .....Phoenix, Ariz.
Coggins, Ruth Mason, Soph., Latin .....Phoenix, Ariz.
Cooper, Frederick Leonard, Sen., Chem.....Santa Barbara
Copeland, Elizabeth, Spl., Mu. ..... Yucaipa, Cal.
Cortner, Catherine, Spl., Mu. ..... Redlands
Cruickshank, Helen, Fr. .....Yucaipa, Cal.
Curtis, John H., Fr. .....Anaheim, Cal.
Curtis, Margaret, Soph. .....San Bernardino, Cal.
Daniels, Lola, Fr. ..... Redlands
Davis, Dorothy Irene, Jun., Hist. .....Hemet, Cal.
Davis, Ruth Frazier, Sen., Anc. Lang.....Hemet, Cal.
Deming, Harry Tyler, Spl., Mu. .....Redlands
Deming, Nellie F., Sen., Mu. .....Redlands
Dye, Beulah, Fr., Voice .....Orosi, Cal.
Evans, Maude, Spl., Mu. .....Highland, Cal.
Elliott, Elsie Jewell, Jun., Mu. .....Pasadena, Cal.
Fagg, Fred Dow, Soph., Phil. .....San Diego, Cal.
Finley, Sarah Irene, Fr. .....Santa Barbara, Cal.
Fisher, Natalia P., Spl., Mu. ..... Redlands
Fitzsimmons, Helen Katherine, Spl., Mu. .....Redlands
Flynn, Mrs. J. W., Spl., Mu. .....Los Angeles, Cal.

Ford, Charlotte Louise, Spl., Mu. .....Redlands
Ford, Clarence Ingman, Jun., Phil.....Ceres, Cal.
Freeman, Mary Dorothea, Fr. .....Long Beach, Cal.
Frost, Marie M., Spl., Mu. .....Redlands
Geistweit, Harold N., Sen., Phil. .....San Diego, Cal.
Gentry, Harold Goodman, Fr. .....Redlands
Gillette, Charles Edwin, Sen., Sci. .....Holtville, Cal.
Gleason, Floy Fern, Jun., Eng. .....Corona, Cal.
Graham, Mae Clifton, Fr. .....Bay City, Mich.
Grassle, Maurita, Fr. .....Redlands
Green, Albert Vernon, Fr. .....Long Beach, Cal.
Greenleaf, Virginia, Fr. .....Perris, Cal.
Haddock, J. Perry, Fr. .....San Diego, Cal.
Hammett, Rhea Louise, Spl., Art .....Redlands
Hansen, Lucile May, Jun., Eng.....Greenleaf, Kan.
Hansen, Nina B., Jun., Eng. .....Greenleaf, Kan.
Harrison, Blanche, Jun., Math. ....San Luis Obispo, Cal.
Harvey, Mary Rachelle, Soph., Mu. ....Long Beach, Cal.
Hatch, Flora Faith, Sen., Hist.....Escondido, Cal.
Hedstrom, C. George, Jun., Math. .....Anaheim, Cal.
Helsley, Carol Virginia, Jun., Mu. .....Ceres, Cal.
Hemenway, Fraser, Fr. .....Long Beach, Cal.
Hentschke, Hildegard Clara, Jun., German.....Redlands
Hile, Mary, Fr. .....Long Beach, Cal.
Hill, Herbert, Fr. .....Redlands
Hill, Marion Elizabeth, Fr. .....Redlands
Hollinger, Clara Maria, Spl. .....Los Angeles, Cal.
Hollinger, Ruth Elizabeth, Spl., Mu. ....Los Angeles, Cal.
Hooper, May F., Spl., Mu. .....Redlands

Hubble, Lucille Vivian, Sen, Mu. .....Lordsburg, Cal.
Hubert, Clarence Warren, Prep. .....Alhambra, Cal.
Husted, Otto M., Prep. .....Redlands
Inglis, Beulah Inez, Soph., Hist. .....Redlands
Inocenio, Filipe, Fr. .....Philippine Ids.
Jacobsen, Arthur Daniel, Sen., Pol. Sci. .....Selma, Cal.
Jacobsen, Emmanuel B., Jun., Phil. .....Selma, Cal.
Jameson, Adelaide, Fr. .....Corona, Cal.
Jenkins, Alice, Fr. ..... Redlands
Johnson, John Stanley, Fr. .....Redlands
Johnson, Marie, Fr. .....Redlands
Johnson, Ruth Frances, Soph., Mod. Lang.....Ogden, Utah
Jones, Letitia Felix, Spl., Mu. ..... Redlands
Jones, Victor Lee, Soph, Sci. .....Yucaipa, Cal.
Kerr, Anita, Spl, Mu. .....Redlands
Kincher, E. Othello, Jun., Sci. ..... Redlands
Kling, Margaret Hulbert, Soph., Eng.....Santa Monica
Knecht, Robert Wilson, Fr.....Redlands
Knopp, Juliet Lee, Sen., Eng. .....Mentone, Cal.
La Bar, Eva, Fr. .....Porterville, Cal.
Lehigh, Lawrence R., Sen., Eng. .....Los Angeles, Cal.
Leonard, James L., Sen., Econ. .....Redlands
Levering, Lucy, Fr. .....Redlands
Lilley, Vina Myrtle, Jun., Eng. .....Redlands
Lyon, Lois Mabel, Fr. .....Redlands
McDonald, Hugh, Spl., Mu. .....Redlands
MacNair, Hazel Farnsworth, Fr. .....Redlands
McLain, Pearl, Fr. .....Brawley, Cal.
Mitchell, Donald H., Jun., Biol. San Luis Obispo, Cal.

Mitchell, Elmer Milton, Soph., Sci. .....Redlands
Mitchell, Marion Elizabeth, Fr. .....Spokane, Wash.
Mitchem, Mildred, Prep. .....Spokane, Wash.
Munzig, Elsie, Spl., Mu. .....Redlands
Myers, Fayette, S., Jun, Germ..... Coronado, Cal.
Neill, M. Elizabeth, Prep. .....Indio, Cal.
Nelson, Dorothea Eckstorm, Fr. ..... Redlands
Nisle, Theda Marguerite, Spl., Mu., San Bernardino, Cal.
Ogborn, A. Gerald, Prep. ..... Redlands
Otterstedt, Ludwig, Fr. ..... Long Beach, Cal.
Pendleton, Dawson Rankin, Jun., Sci. ..... Holtville, Cal.
Phillips, Marjorie Alma, Soph., Hist. ....Porterville, Cal.
Porter, Ora, Spl. Mu. .....Redlands
Powers, Marion Ruth, Fr. ..... Redlands
Proctor, Hudson Milton, Fr. .....San Diego, Cal.
Pushman, Abbey T., Spl., Mu. .....Riverside, Cal.
Raisner, Charles Clement, Soph., Lang.....Corning, Cal.
Randall, Margaret, Spl., Mu. .....Redlands
Rhoades, J. Irving, Fr. .....Alhambra, Cal.
Rice, Reba, Kathryn, Spl., Mu. .....Redlands
Riglesberger, Louis Frank, Fr. .....Long Beach, Cal.
Sager, Clara, Fr. ..... Winters, Cal.
Sargent, Esther, Spl., Art .....Redlands
Sawyer, W. Curtis, Fr. ..... Redlands
Seager, Helen Elizabeth, Soph. .....Redlands
Seal, Harold Finch, Fr. .....Redlands
Shamblin, Anna Mae, Soph., Eng. .....Mecca, Cal.
Shank, Katherine, Prep. .....Seattle, Wash.
Sherrard, Lincoln Noel, Spl., Voice .....Redlands
Shiels, Leonora Allison, Fr. .....San Francisco, Cal.
Sievert, Leo E., Soph., Econ. .....Alhambra, Cal.
Silke, V. Stanley, Jun., Phil. .....Santa Barbara, Cal.
Simms, Mrs. LaRoy P., Spl., Mu. .....Riverside, Cal.
Smith, Cleon H., Soph., Sci. .....Redlands

Smith, Elizabeth Irene, Sen., Mu. .....Madera, Cal.
Smith, Irene Beavers, Soph., Hist. .....Redlands
Spoor, Louise, Spl., Mu. .....Redlands
Stacy, Mary Williams, Spl. ..... Hollywood, Cal.
Stamps, Mary Louise, Jun., Mu. .....So. Pasadena, Cal.
Stanley, Tyra Golden, Fr. .....Phoenix, Ariz.
Stockton, Elizabeth, Jun., Eng. .....Redlands
Stubbs, Aileen, Jun., Eng. .....Redlands
Sweeney, Christine, Fr. .....Redlands
Sweeney, Susan, Fr. .....Redlands
Symmes, Eleanor A., Sen., Eng. .....Redlands
Taylor, Floyd S., Fr. .....Redlands
Thacker, Gladys Mae, Sen., Eng., ...So. Pasadena, Cal.
Thompson, Hollis, Ring., Fr. .....Turlock, Cal.
Tinker, Gwendolyn Maude, Fr. .....Redlands
Tolle, Glessner, Fr. .....Redlands
Trine, Frank Leesyl, Soph., Sci. .....Madera, Cal.
Turrill, Gardner Stilson, Sen., Phil.....Redlands
Turrill, May Emeline, Sen., Eng.....Redlands
Turrill, Park Lovejoy, Fr.....Redlands
Untereiner, Raymond Edward, Fr. .....Redlands
Wall, Gladys Barr, Fr. .....Selma, Cal.
Waterman, Chas. Merle, Fr. .....Pasadena, Cal.
Wedberg, Conrad Frank, Fr. .....Redlands
Weed, Oliver M., Jun., Chem. .....Redlands
West, Gladys, Fr. .....Redlands
White, Mildren Madeline, Fr. .....Crafton, Cal.
Whitehead, Helen D., Soph., Mu. .....Madera, Cal.
Wilkes, Vera Virginia, Spl., Mu. .....Redlands
Willis, Frances Elizabeth, Fr. .....Redlands
Wilson, Irl C., Fr. ..... Olney, Ill.
Wilson, W. Rollo, Soph., Sci. .....Redlands
Wisdom, Eva Marie, Jun., Mu. .....Escondido, Cal.
Zimmerman, G. Frank, Soph. .....Ogden, Utah

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